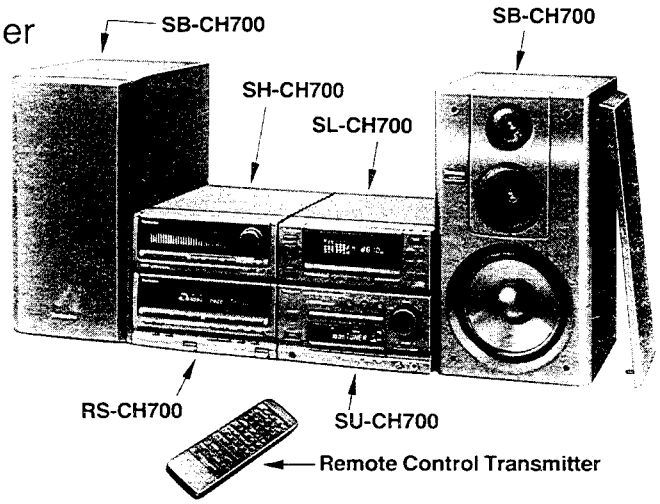
ORDER NO. AD9202022C8

Service Manual

Power Amplifier

Amplifier

SU-CH700



Colour

(K) ..... Black Type

Areas

Suffix for Model No.	Area	Colour
(E)	Continental Europe.	(K)
(EB)	Great Britain.	
(EG)	Germany and Italy.	
(GC)	Asia, Latin America, Middle Near East and Africa.	
(GN)	Oceania.	

Because of unique interconnecting cables, when a component requires service, send or bring in the entire system.

■ SPECIFICATIONS

System: SC-CH700

■ POWER AMPLIFIER SECTION

Power output
Front+Surround: DIN 1 kHz THD 1% 6Ω, 2×40 W
Total Harmonic distortion
Half power at 1 kHz: 0.09% (6Ω)
Impedance
Front: 6Ω
Surround: 8Ω

■ PRE AMPLIFIER SECTION

Input sensitivity/Impedance
Front: 200 mV/47 kΩ
Mic: 0.7 mV/12 kΩ
Loudness: 5 dB (60 Hz)/for volume position −30 dB

■ GENERAL

Power consumption: 250 W (SYSTEM)
Power supply
For Great Britain and Oceania: AC 50/60 Hz, 230~240 V
For Germany, Italy and Continental Europe: AC 50/60 Hz, 230 V
For others: AC 50/60 Hz, 110 V/127 V/220 V/240 V
Dimensions (W×H×D): 215×110×346 mm
Weight: 5.1 kg

Notes:
1. Specifications are subject to change without notice.
2. Weight and dimensions shown are approximate.
3. Total harmonic distortion is measured by the digital spectrum analyzer.

System	Tuner/CD player	Sound Processor	Power Amplifier	Cassette Deck	Speakers
SC-CH700	SL-CH700	SH-CH700	SU-CH700	RS-CH700	*SB-CH700

*(E), (EB), (EG) areas...Made in PAES

Technics

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■ BEFORE REPAIR

(1) Turn off the power supply. Using a 10Ω, 10 W resistor, connect both ends of power supply capacitors (C703, C704) in order to discharge the voltage.
(2) Before turning the power supply on, after completion of repair, slowly apply the primary voltage by using a power supply voltage controller to make sure that the consumed current at 50/60 Hz in NO SIGNAL mode is mode should be shown below with respect to supply voltage 110 V/120 V/ 220 V/240 V.

Power supply voltage	AC 110 V	AC 120 V	AC 220 V	AC 230 V	AC 240 V
Consumed current 50 Hz	279~518 mA	264~491 mA	142~265 mA	152~283 mA	133~248 mA
Consumed current 60 Hz	229~426 mA	222~413 mA	120~223 mA	125~232 mA	112~208 mA

■ PROTECTION CIRCUITRY

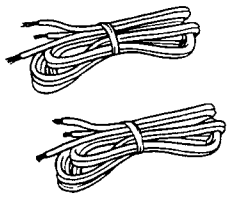
The protection circuitry may have operated if either of the following conditions is noticed:
*No sound is heard when the power is switched ON.
*Sound stops during a performance.
The function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are "shorted", or if speaker systems with an impedance less than the indicated rated impedance of this unit are used.
If this occurs, follow the procedure outlined below:
1. Switch OFF the power.
2. Determine the cause of the problem and correct it.
3. Switch ON the power once again.

Note:
When the protection circuitry functions, the unit will not operate unless the power is first switched OFF and then ON again.

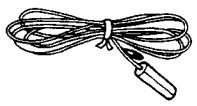
■ ACCESSORIES

Attachment plug ..... 1 pc.
<SJP9009> for (EB) area

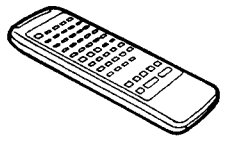
Speaker cord ..... 2 pcs.
<SWXS257M>



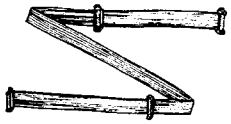
TV/FM indoor antenna .... 1 pc.
<RSA0006> for (GC) (GN) area
<RSA0007> for (E) (EB) (EG) area



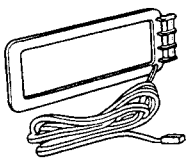
Remote control transmitter ..... 1 pc.
<RAK-SC514W>



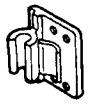
Flat cable ..... 1 pc.
<REX0402>



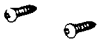
AM loop antenna ..... 1 pc.
<SPB1163T>



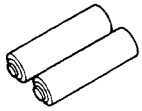
Antenna holder ..... 1 pc.
<SMA233-1M>



Screws ..... 2 pcs.
<XTN3+10AFZ>

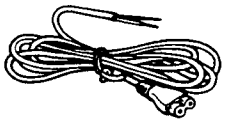


Remote control batteries .. 2 pcs.
<R03>



Optical cable ..... 1 pc.
<SJP2281>

AC Power supply cord .... 1 pc.
<RJA0019-1K> for (E) (EG) area
<SJA193> for (EB) area
<RJA0004> for (GC) area
<SJA173> for (GN) area

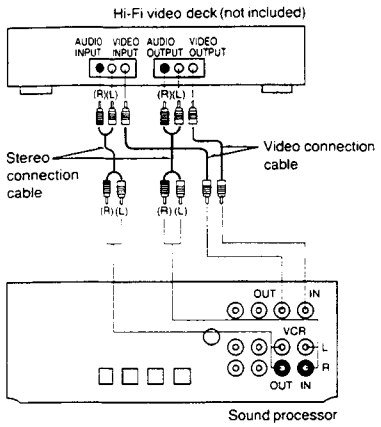


AC plug adaptor ..... 1 pc.
<SJP9215> for (GC) area

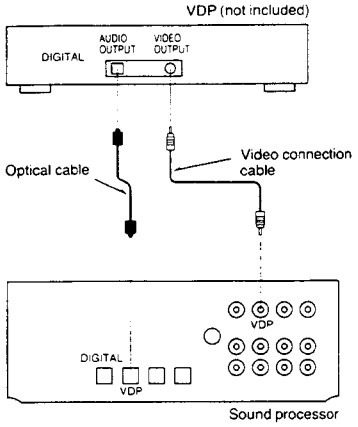
■ CONNECTIONS

•External unit connection

■ Video deck

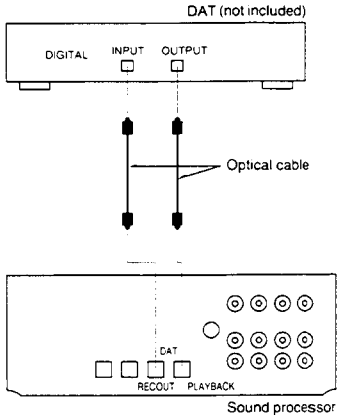


■ Video disc player



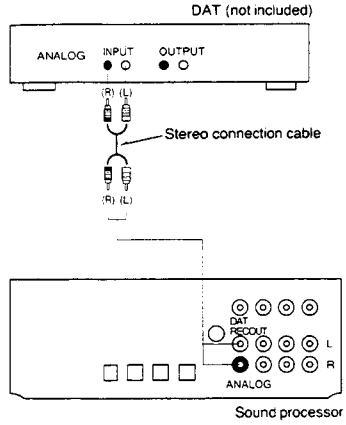
■ DAT (digital audio tape deck)

(with optical cables)



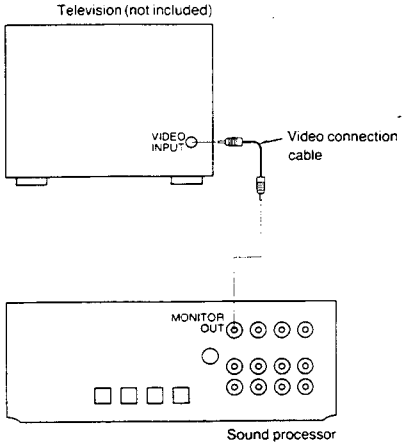
■ DAT (only recording out)

(with stereo connection cables)

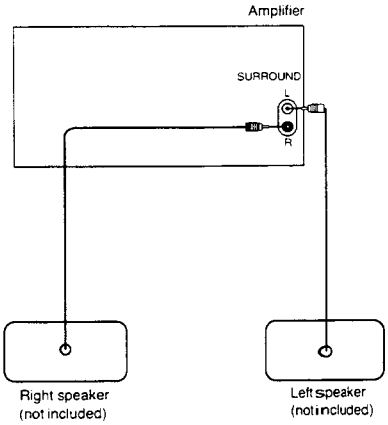


You can record the original sound that you have created with this system to DAT tape.

■ Television



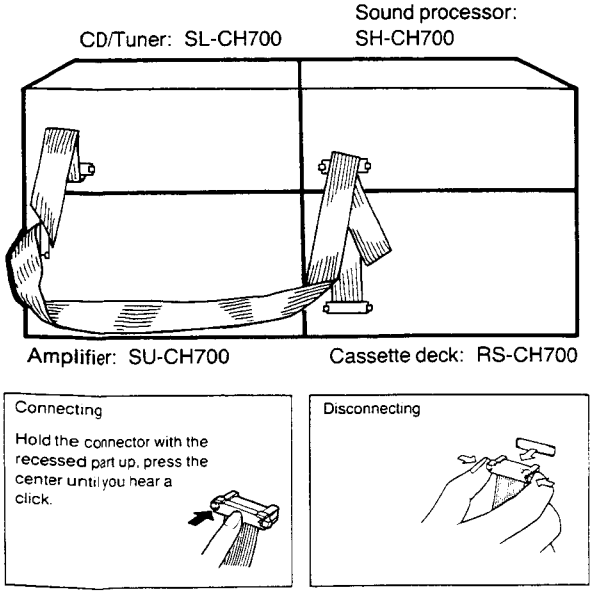
■ Surround speakers



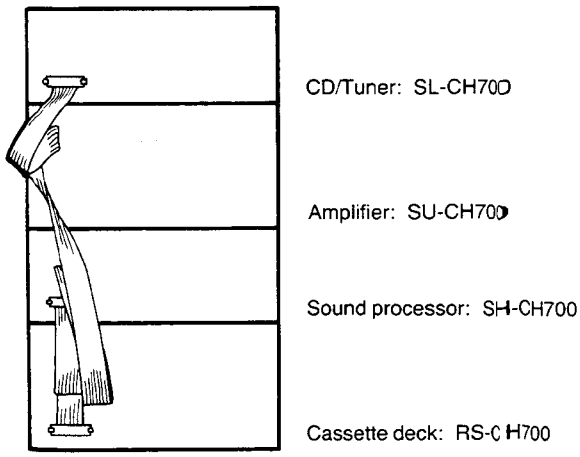
Be sure to connect both speaker systems.
If only one side is connected, no sound will be heard.

•Connect the flat cables

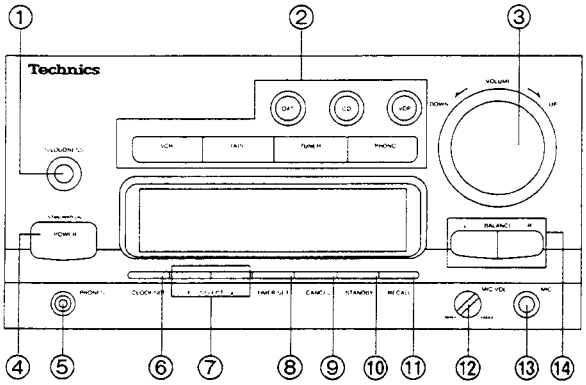
•When installing the components horizontaly, fold the cable as shown in the figure below.


CD/Tuner: SL-CH700
Sound processor: SH-CH700
Amplifier: SU-CH700
Cassette deck: RS-CH700
Connecting
Hold the connector with the recessed part up, press the center until you hear a click.
Disconnecting

•When installing the components vertically, fold the cable as shown in the figure below.



■ LOCATION OF CONTROL



① **Loudness button (S. LOUDNESS)**
This button is used to boost the dynamic low frequency ranges in a low volume level.

② **Input select buttons (DAT, CD, VDP, VCR, TAPE, TUNER, PHONO)**
These buttons are used to select the sound source to be heard.

③ **Volume level control (VOLUME)**
This control is used to adjust the volume level.
Note that "-- dB" is the lowest volume setting and "0 dB" is the highest level setting.

④ **Power "STANDBY ⏻/ON" switch (POWER STANDBY ⏻/ON)**
This switch switches ON and OFF the secondary circuit power only. The unit is in the "standby" condition when this switch is set to the STANDBY ⏻ position. Regardless of the switch setting, the primary circuit is always "live" as long as the power cord is connected to an electrical outlet.

⑤ **Headphones jack (PHONES)**

⑥ **Clock set button (CLOCK SET)**
This button is used to set the present time.

⑦ **Timer select buttons (▼ SELECT ▲)**
These buttons are used when setting the time, making the timer setting, selecting the type of timer operation, etc.

⑧ **Timer set button (TIMER SET)**
This button is used to enable the timer set mode and the current selection, selected by the timer select buttons.

⑨ **Timer cancel button (CANCEL)**
This button is used to cancel the timer setting.

⑩ **Timer standby button (STANDBY)**
This button is used to cancel the timer setting temporarily.

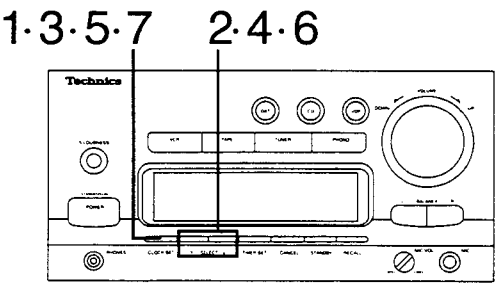
⑪ **Timer setting confirmation button (RECALL)**
This button is used to confirm the timer settings.

⑫ **Microphone volume control (MIC VOL.)**
This control is used to adjust the microphone volume level.

⑬ **Microphone jack (MIC)**

⑭ **Balance adjustment buttons (BALANCE)**
These buttons are used to adjust the volume balance.

●Setting the time

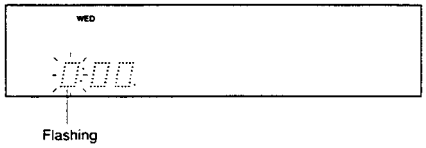


For example:
To set the time at 16:25 on Wednesday (4:25 pm).
Have you switched on the power?

1 **Press the clock set button.**
The day indicator will start to flash.

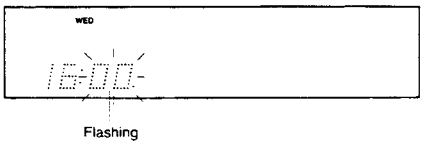
2 **Press one of the timer select buttons to select "WED".**

3 **Press the clock set button.**

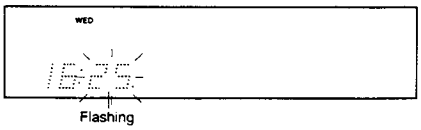


4 **Press one of the timer select buttons to select "16".**

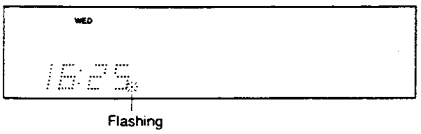
5 **Press the clock set button.**



6 **Press one of the timer select buttons to select "25".**
Note that the minute "00" display appears following "59", but the hour display is not changed.



7 **Press the clock set button to finish setting the time.**
The dot indicator will start to flash to indicate the clock is working.

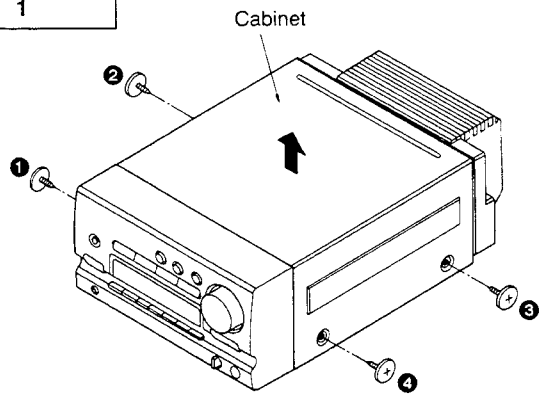


Note:
- "E" appears on the display when the power cord is connected or by electricity failure. Set the time once again.

■ DISASSEMBLY INSTRUCTIONS

Ref. No. 1	Removal of the Cabinet

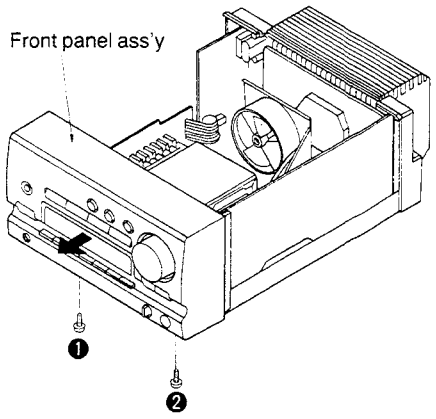
Procedure 1



●Remove the 4 screws (❶~❹).

Ref. No. 2	Removal of the Front Panel Ass'y

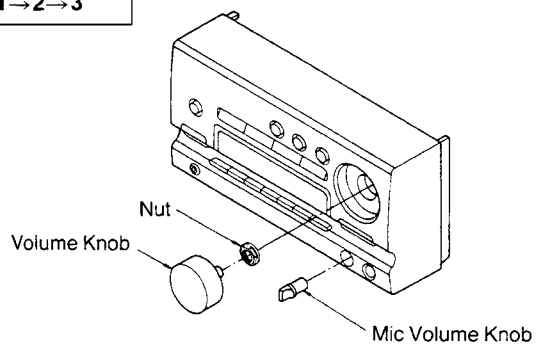
Procedure 1→2



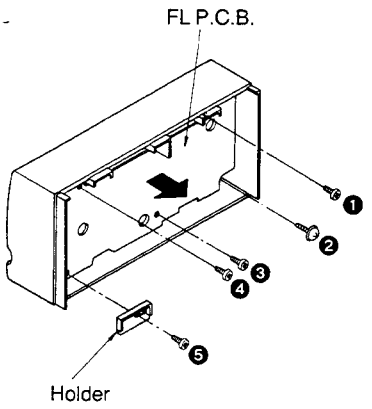
1. Remove the 2 screws (❶, ❷).
2. Remove the front panel ass'y in the direction of the arrow.

Ref. No. 3	Removal of the FL P.C.B.

Procedure 1→2→3



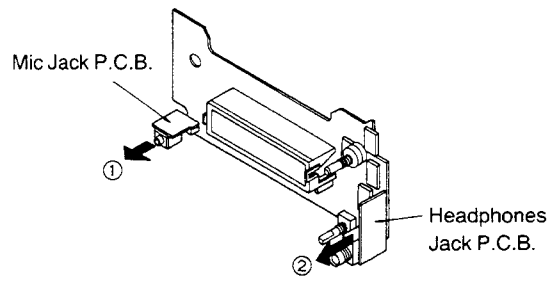
1. Pull out the 2 knobs (Volume and Mic knob).
2. Remove the Nut.



3. Remove the 5 screws (❶~❺).
4. Remove the holder.
5. Remove the FL P.C.B. in the direction of the arrow.

Ref. No. 4	Removal of the Mic Jack P.C.B. and Headphones Jack P.C.B.

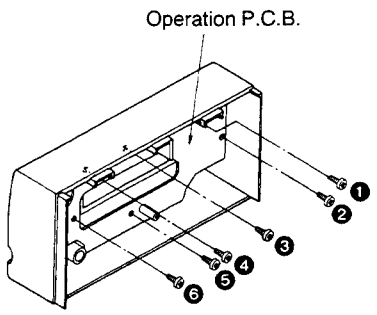
Procedure 1→2→3→4



■ Mic Jack P.C.B.
●Remove the Mic P.C.B. in the direction of the arrow ①.
■ Headphones Jack P.C.B.
●Remove the headphones jack P.C.B. in the direction of the arrow ②.

Ref. No. 5	Removal of the Operation P.C.B.

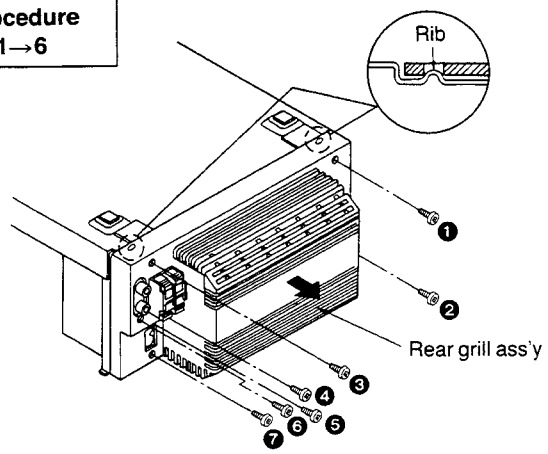
Procedure 1→2→3→5



●Remove the 6 screws (❶~❻).

Ref. No. 6	Removal of the Rear Grill Ass'y

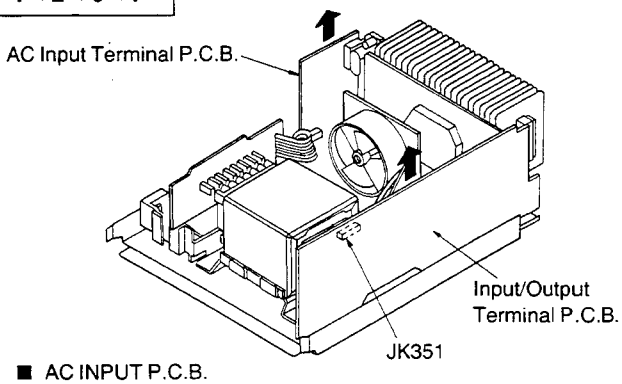
Procedure 1→6



1. Remove the 7 screws (❶~❼).
2. Remove the 2 ribs and then remove the rear grill ass'y in the direction of the arrow.

Ref. No. 7	Removal of the AC Input Terminal P.C.B. and Input/Output Terminal P.C.B.

Procedure 1→2→6→7

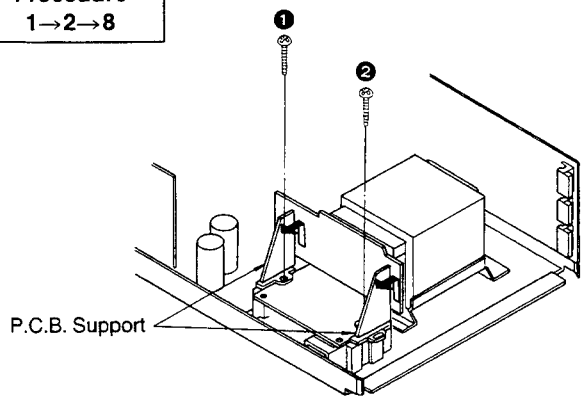


■ AC INPUT P.C.B.
- Remove the P.C.B. in the direction of the arrow.

■ INPUT/OUTPUT TERMINAL P.C.B.
1. Remove the connector (JK351).
2. Remove the P.C.B. in the direction of the arrow.

Ref. No. 8	Removal of the P.C.B. support

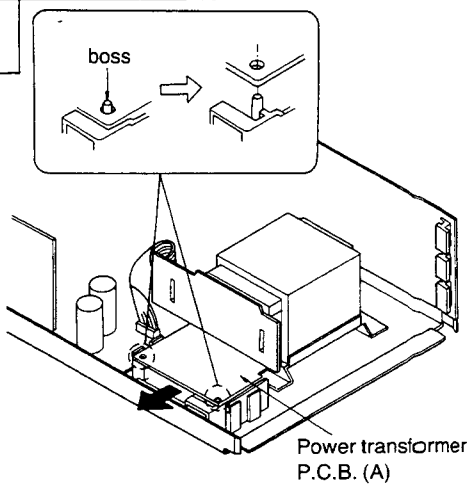
Procedure 1→2→8



1. Remove the 2 screws (❶, ❷).
2. Remove the 2 support in the direction of the arrow.

Ref. No. 9	Removal of the Power Transformer P.C.B. (A)

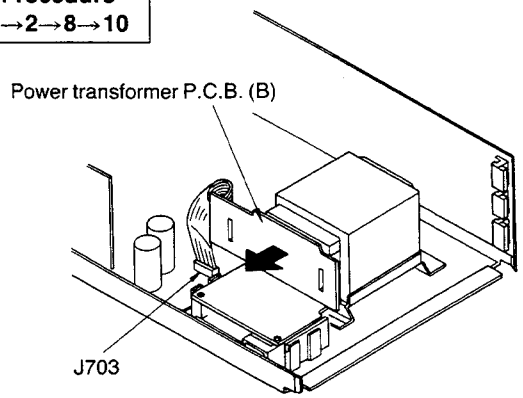
Procedure 1→2→8→9



1. Remove the 2 boss.
2. Remove the P.C.B. in the direction of the arrow.

Ref. No. 10	Removal of the Power Transformer P.C.B. (B)

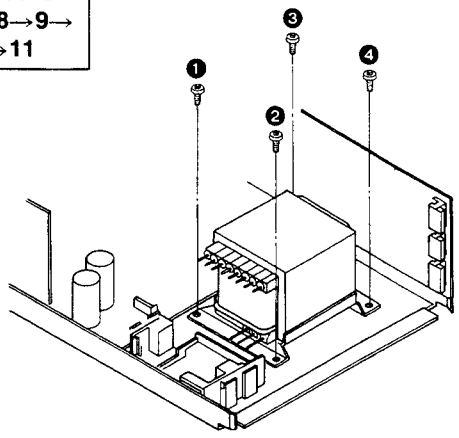
Procedure 1→2→8→10



1. Remove the flat cable (J703).
2. Remove the P.C.B. in the direction of the arrow.

Ref. No. 11	Removal of the Power Transformer

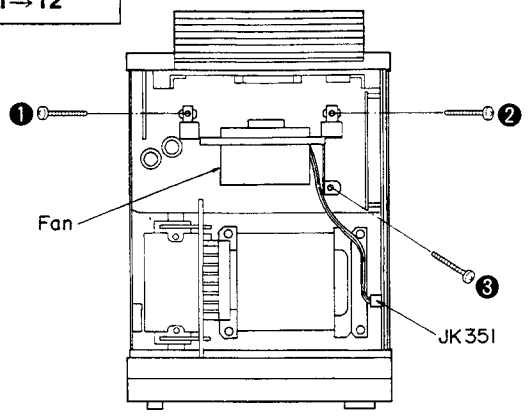
Procedure 1→2→8→9→10→11



- Remove the 4 screws (❶~❹).

Ref. No. 12	Removal of the Fan

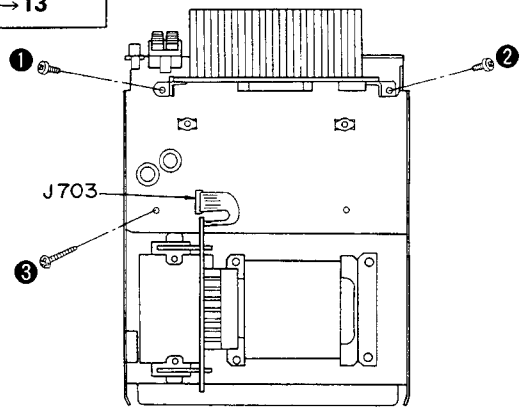
Procedure 1→12



1. Remove the connector (JK351).
2. Remove the 3 screws (❶~❸).

Ref. No. 13	Removal of the Main P.C.B.

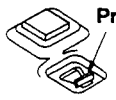
Procedure 1→2→6→7→13

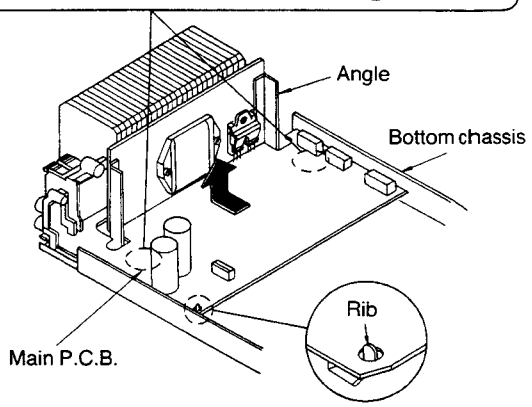


1. Remove the 3 screws (❶~❸).

■ **NOTE**
- Insert the projection on the angle into the hole of the bottom chassis and then install the Main P.C.B.

[Bottom side]

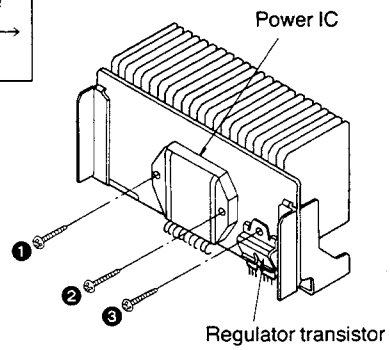




2. Remove the rib and then remove the Main P.C.B. in the direction of the arrow.

Ref. No. 14	Removal of the Power IC and Regulator Transistor

Procedure 1→2→6→7→13→14



1. Remove the 3 screws (❶~❸).
2. Unsolder the power IC and regulator transistor.
   - When mounting the Power IC or regulator transistor. Apply silicone compound (RFKX0002) to the rear side of power IC or regulator transistor.

Ref. No. 15	Check the Main P.C.B.

Procedure 1→2→6→15

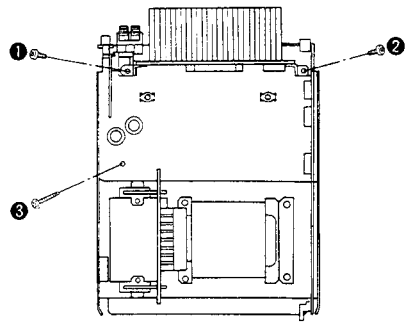


Fig. 1.

1. Remove the 3 screws (❶~❸).

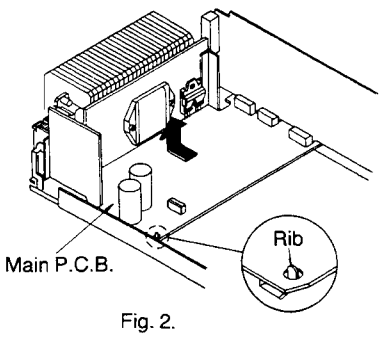


Fig. 2.

2. Remove the rib and then remove the Main P.C.B. in the direction of the arrow.

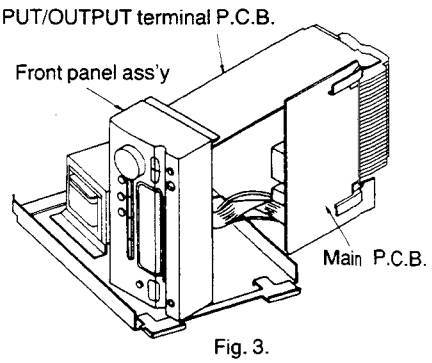


Fig. 3.

3. Reinstall the front panel ass'y to the INPUT/OUTPUT terminal P.C.B.
4. When checking the soldered surface of the main P.C.B. do as shown in the Fig. 3.

Ref. No. 16	Removal of the Fan Motor
Procedure 1→12→16	1. Release the 3 claws (shown in Fig. 1).

2. Insert a screwdriver at the root of the fan (shown in Fig. 2).
3. Remove the cover (shown in Fig. 3).
4. Remove the motor from the case (shown in Fig. 4).
5. When mounting the motor, align the case projection with the hole of the motor (shown in Fig. 5).

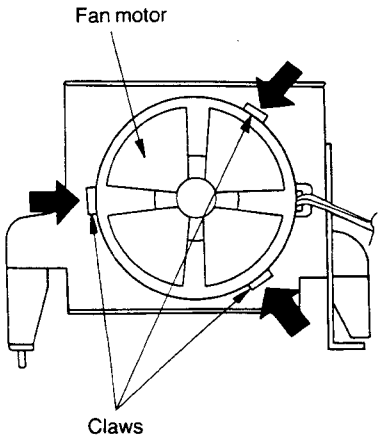


Fig. 1

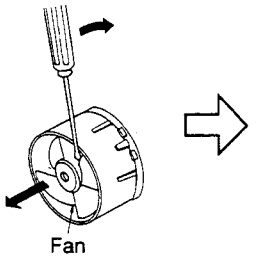


Fig. 2

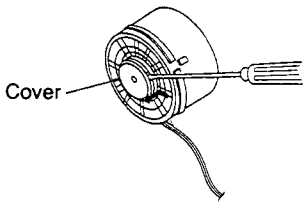


Fig. 3

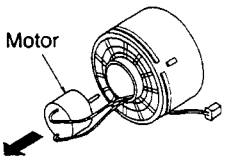


Fig. 4

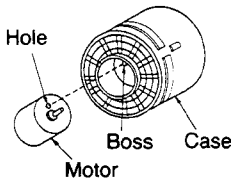


Fig. 5

Notes:

- S601 : Clock set switch
- S602 : Select down switch
- S603 : Select up switch
- S604 : Timer set switch
- S605 : Cancel switch
- S606 : Standby switch
- S607 : Recall switch
- S608 : Balance (L) control switch
- S609 : Balance (R) control switch
- S610 : BS select switch
- S611 : Tuner select switch
- S612 : CD select switch
- S613 : DAT select switch
- S614 : Tape select switch
- S615 : VDP select switch
- S616 : VCR select switch
- S618 : S. Loudness switch
- S619 : Power switch
- S701 : Voltage select switch in "220 V" position (110 V/127 V/220 V/240 V) for (GC) area only

- The supply part number is described alone in the replacement parts list.

Ref. No.	Production Parts No.	Supply Parts No.
IC151 IC202 IC203	BA4558FT1	SVIBA4558F
IC301	M5218AL	M5218L

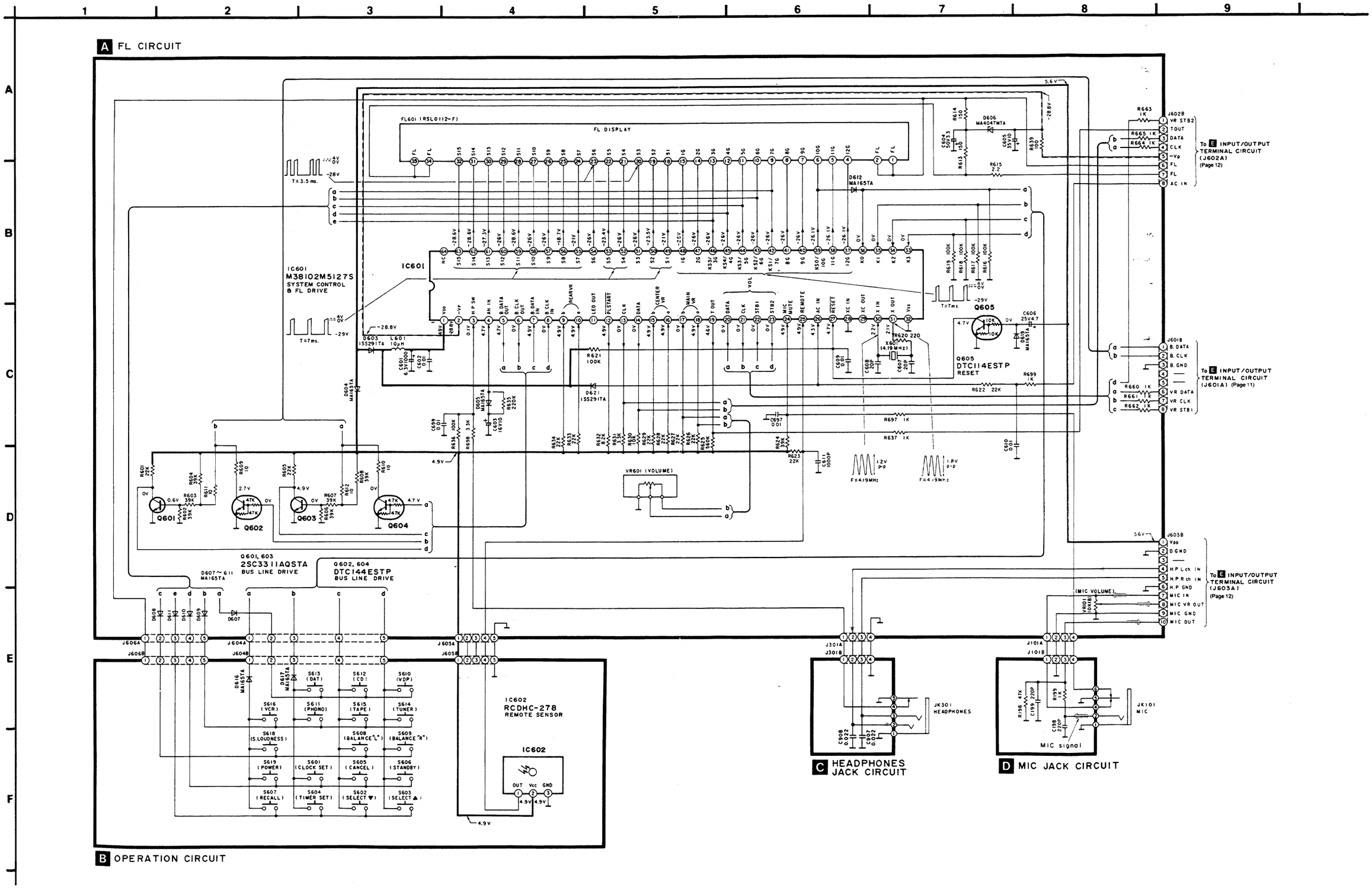
- Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard.
  Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.
- Important safety notice:
  Components identified by ⚠ mark have special characteristics important for safety.
  When replacing any of these components, use only manufacturer's specified parts.
- **This schematic diagram may be modified at any time with the development of new technology.**

——— : Positive voltage line
- - - - : Negative voltage line
⇨ : MIC signal
: Source signal

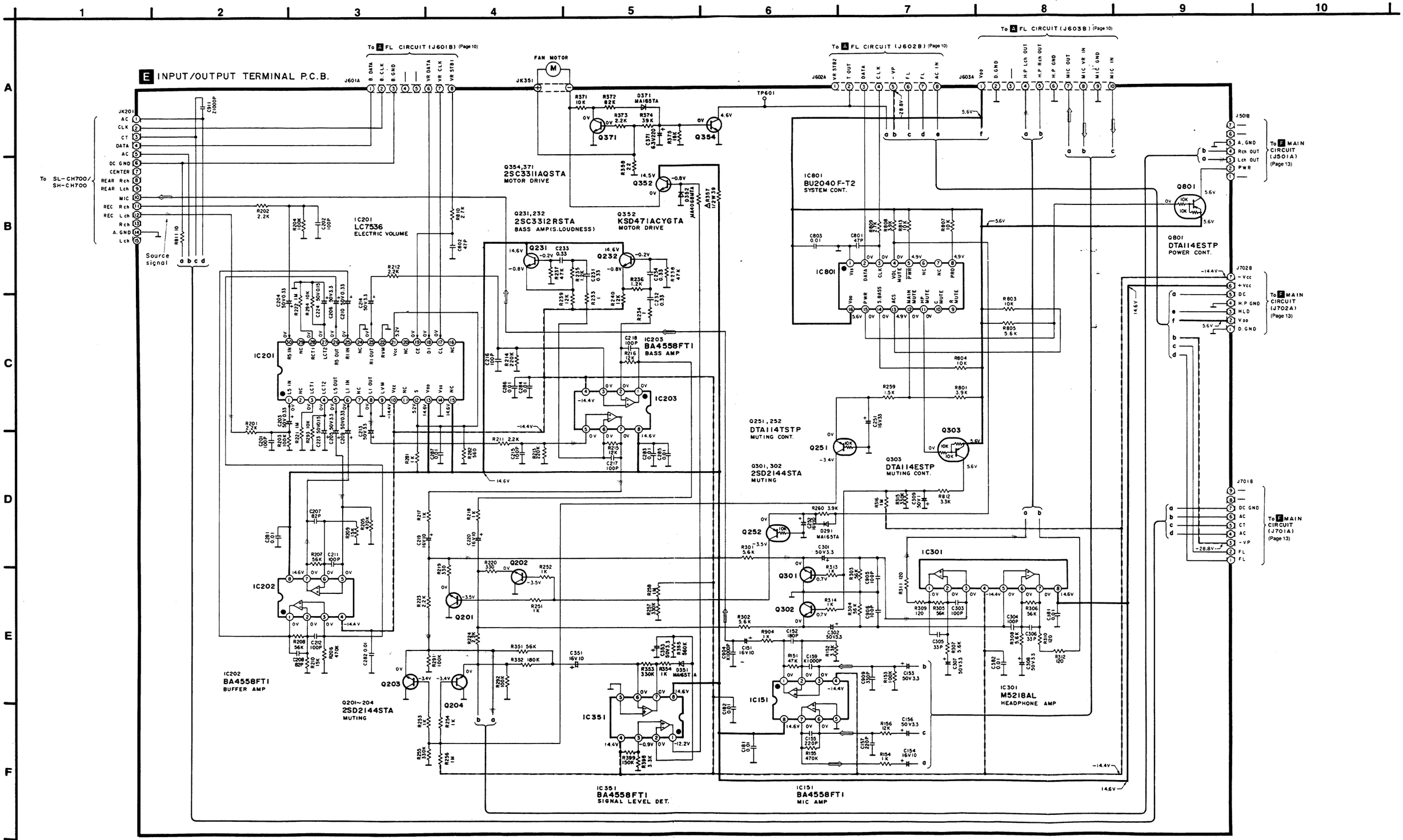
Caution!

- IC and LSI are sensitive to static electricity.
  Secondary trouble can be prevented by taking care during repair.
- Cover the parts boxes made of plastics with aluminum foil.
- Ground the soldering iron.
- Put a conductive mat on the work table.
- Do not touch the legs of IC or LSI with the fingers directly.

■ SCHEMATIC DIAGRAM (Operation/FL/Headphones circuit) (Part list on pages 24~27.)

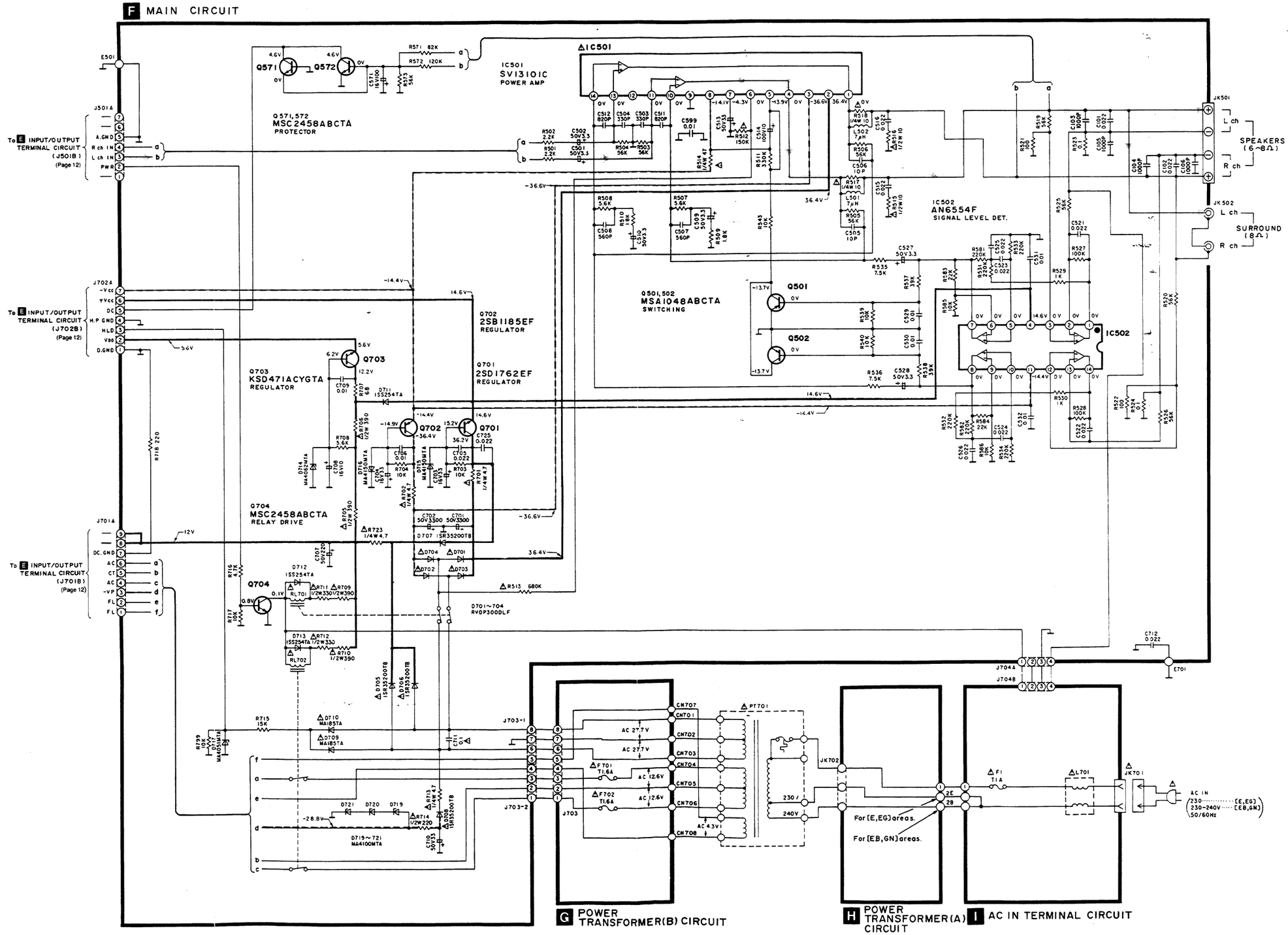


■ SCHEMATIC DIAGRAM (Input/Output Terminal/Main circuit) (Parts list on pages 24~27.)


E INPUT/OUTPUT TERMINAL P.C.B.
To A FL CIRCUIT (J601B) (Page 10)
To A FL CIRCUIT (J602B) (Page 10)
To A FL CIRCUIT (J603B) (Page 10)
FAN MOTOR
To SL-CH700/ SH-CH700
Source signal
IC201 LC7536 ELECTRIC VOLUME
IC202 BA4558FTI BUFFER AMP
IC203 BA4558FTI BASS AMP
IC351 BA4558FTI SIGNAL LEVEL DET.
IC151 BA4558FTI MIC AMP
IC801 BU2040F-T2 SYSTEM CONT.
IC301 M5218AL HEADPHONE AMP
Q231,232 2SC3312RSTA BASS AMP(S.LOUDNESS)
Q354,371 2SC3311AQSTA MOTOR DRIVE
Q352 KSD471ACYGTA MOTOR DRIVE
Q201~204 2SD2144STA MUTING
Q251,252 DTA114TSTP MUTING CONT.
Q301,302 2SD2144STA MUTING
Q303 DTA114ESTP MUTING CONT.
Q801 DTA114ESTP POWER CONT.
To F MAIN CIRCUIT (J501A) (Page 13)
To F MAIN CIRCUIT (J702A) (Page 13)
To F MAIN CIRCUIT (J701A) (Page 13)

10 11 12 13 14 15 16 17 18 19

F MAIN CIRCUIT



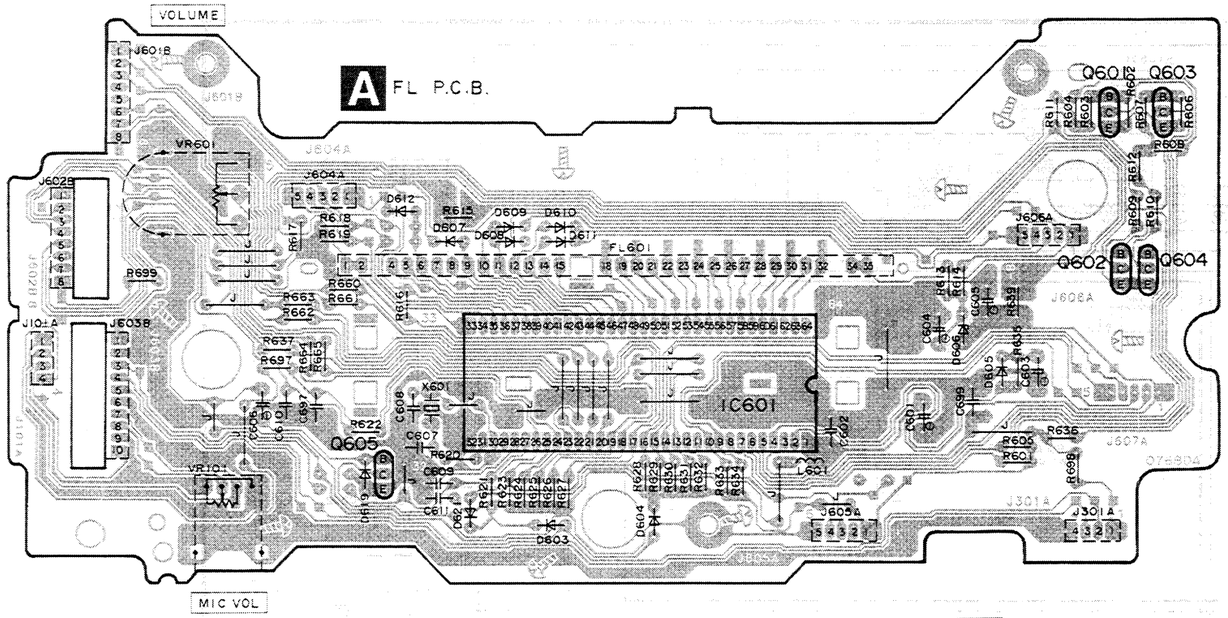
G POWER TRANSFORMER(B) CIRCUIT

H POWER TRANSFORMER(A) CIRCUIT

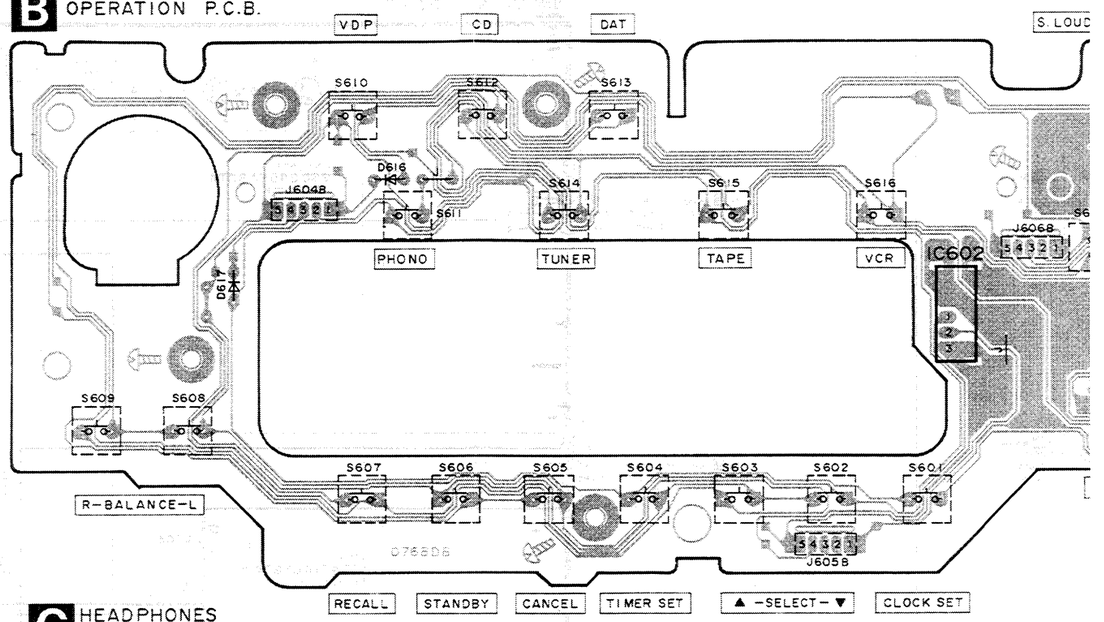
I AC IN TERMINAL CIRCUIT

■ PRINTED CIRCUIT BOARDS

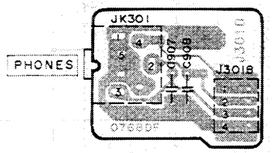
A FL P.C.B.



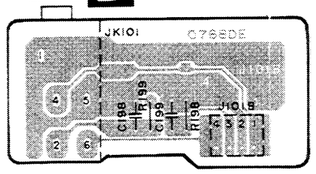
B OPERATION P.C.B.



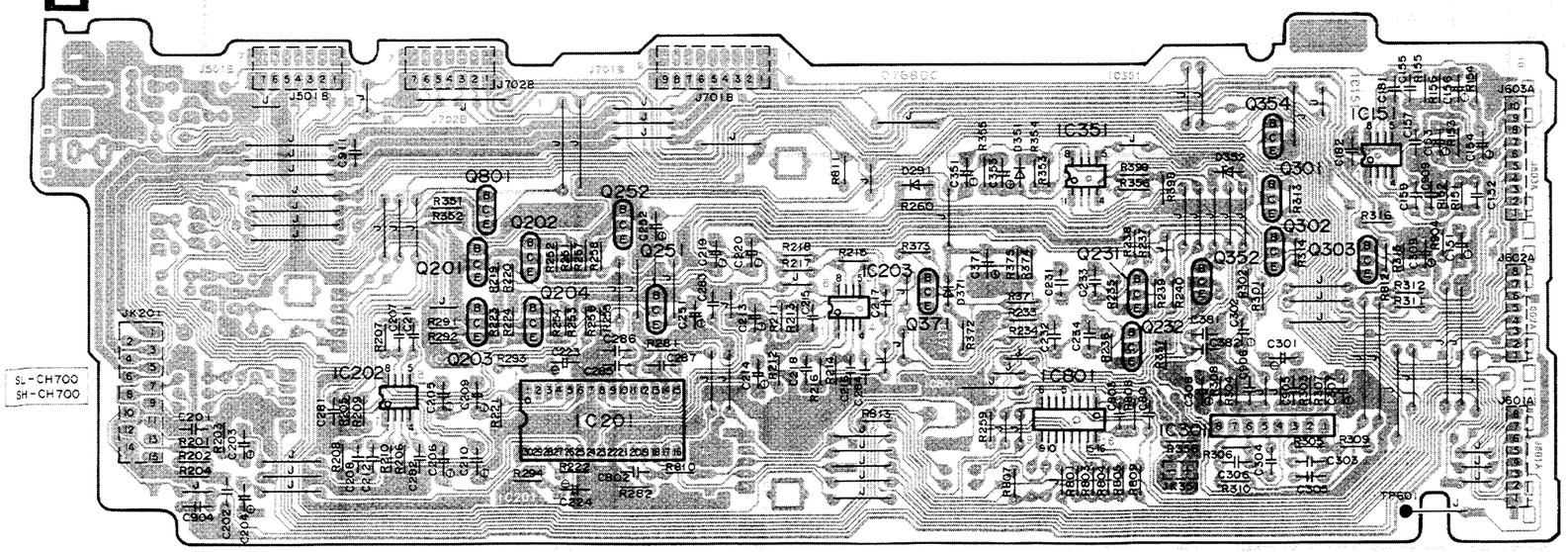
C HEADPHONES JACK P.C.B.



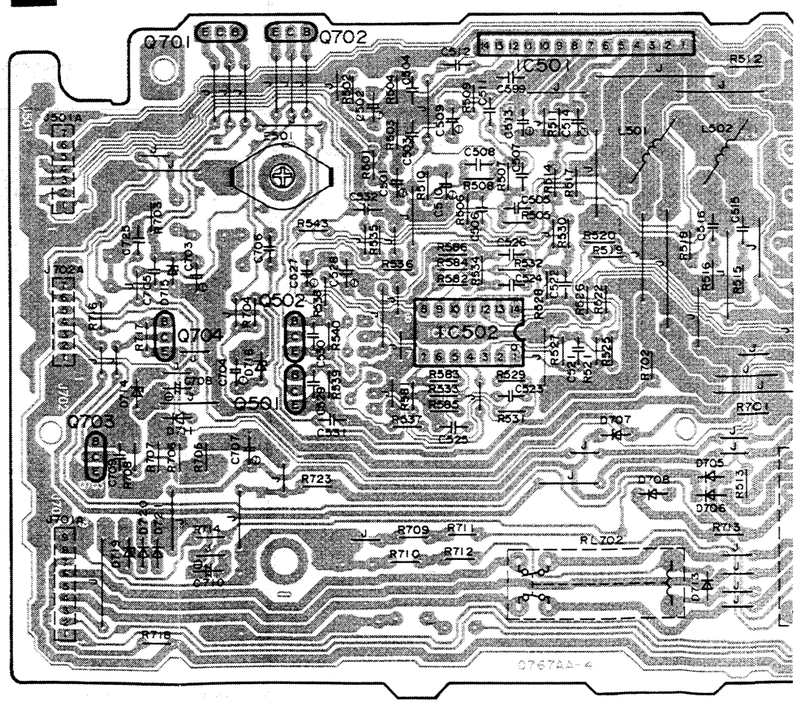
D MIC JACK P.C.B.



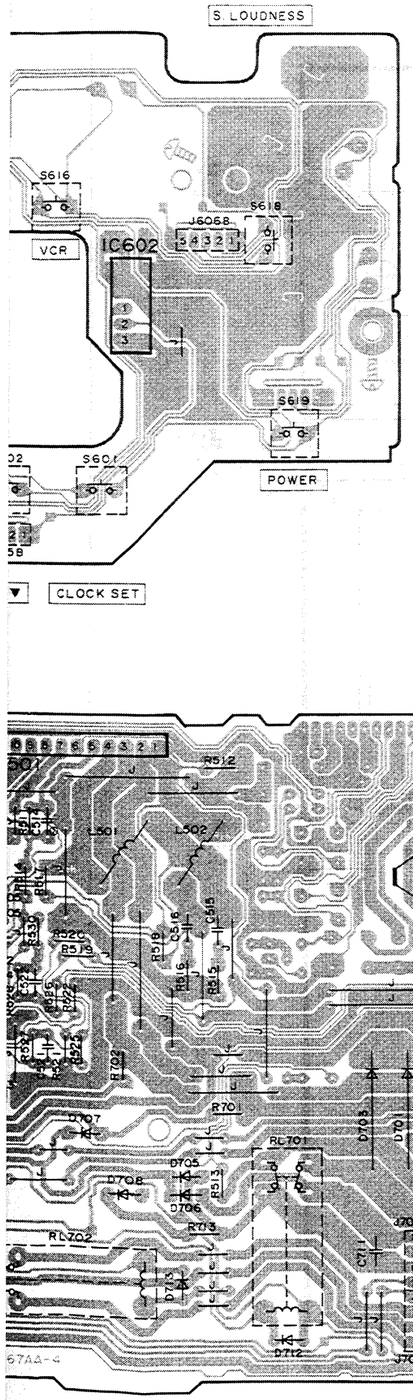
E INPUT/OUTPUT TERMINAL P.C.B.

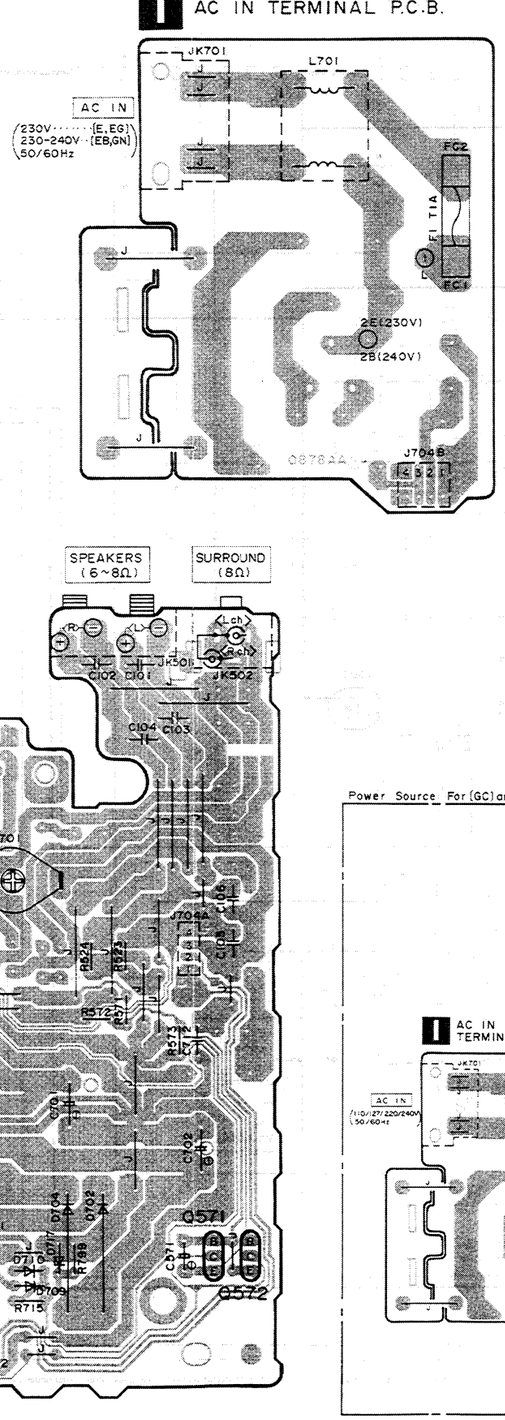


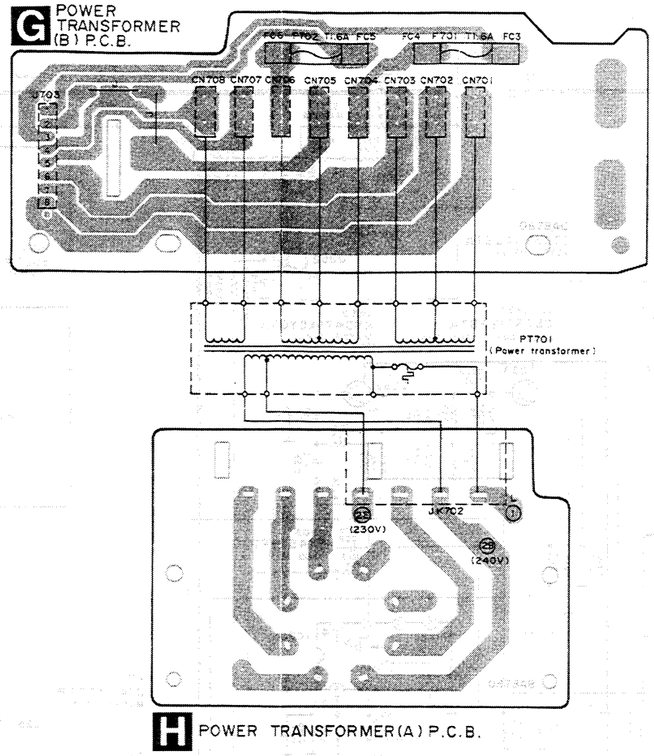
F MAIN P.C.B.



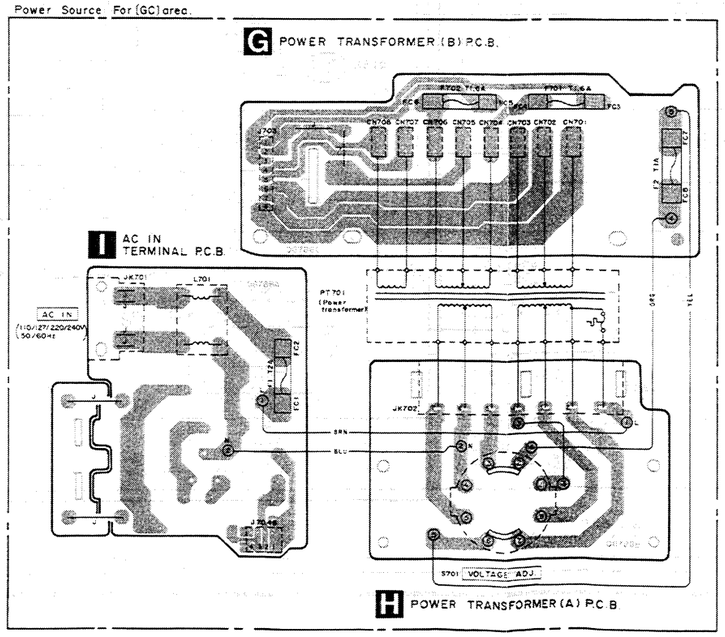
10 11 12 13 14 15 16 17 18 19







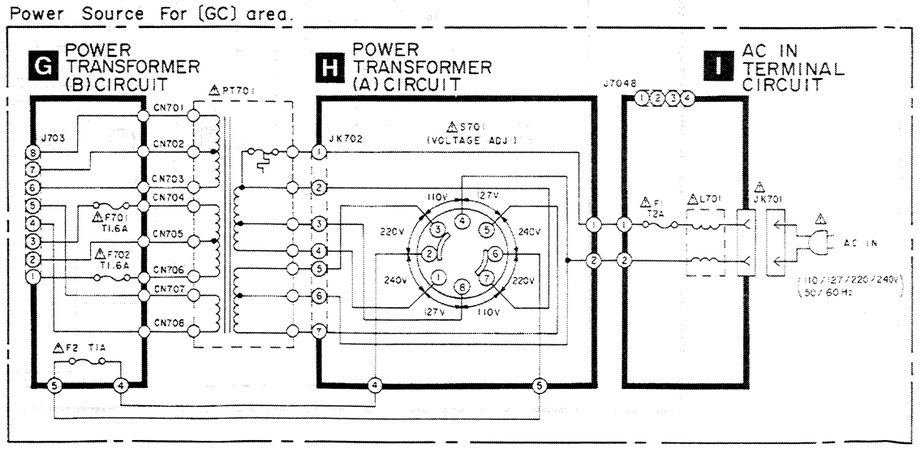
Power Source For (GC) area.



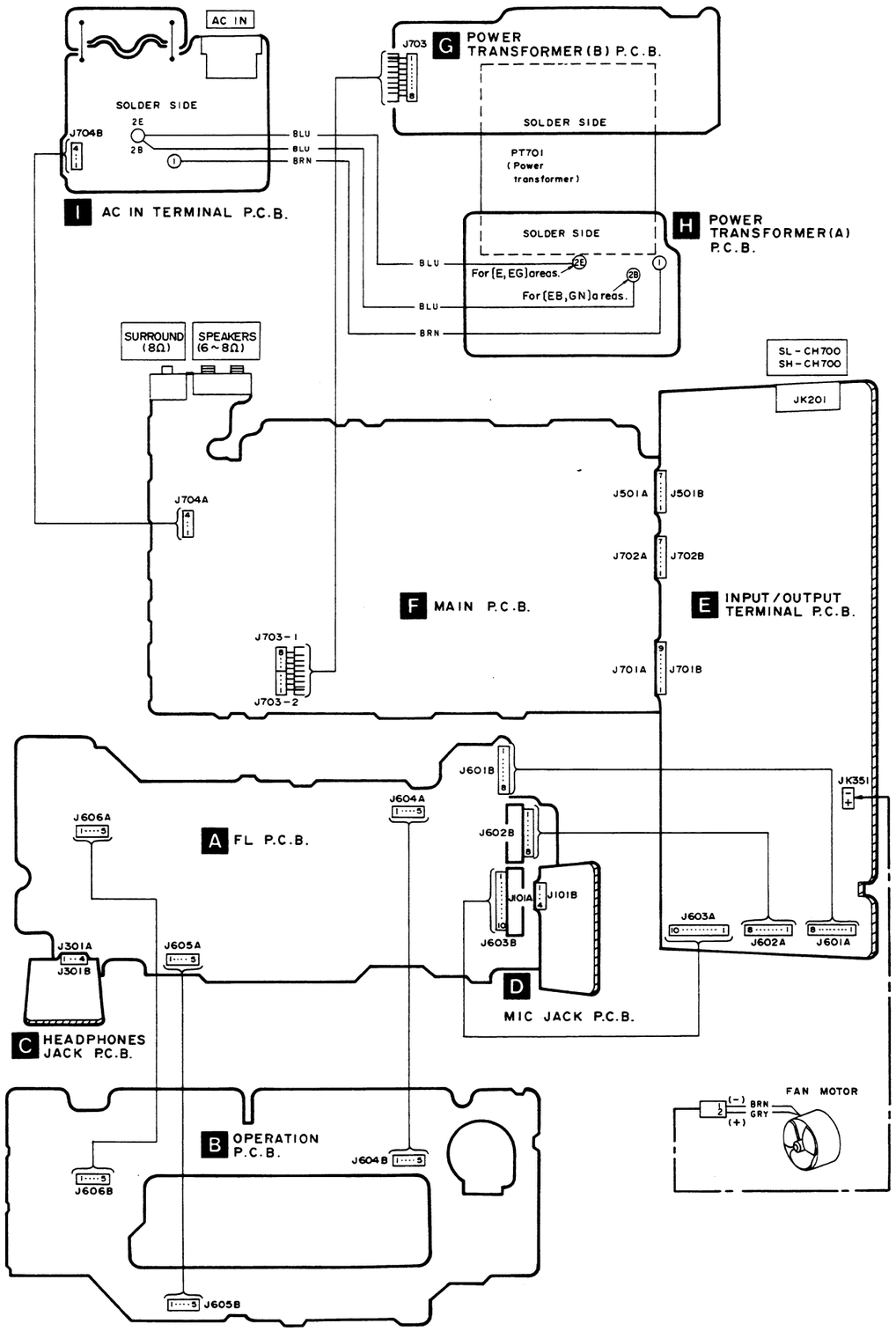
●Terminal guide of IC's, transistors and diodes

BA4558FT1	BU2040F-T2	M38102M5127S	M5218AL
AN6554F 14Pin LC7536 30Pin		SVI3101C	RCDHC-278
KSD471ACYGTA		MSA1048ABCTA MSC2458ABCTA 2SD2144STA DTA114ESTP DTA114TSTP DTC114ESTP DTC144ESTP	2SC3311AQSTA 2SC3312RSTA
2SB1185EF 2SD1762EF		MA165TA MA185TA 1SS254TA 1SR35200TB	MA4100MTA MA4150MTA
	MA4047MTA MA4051MTA MA4062MTA MA4068MTA	RVDP300DLF	1SS291TA

Power Source For (GC) area.

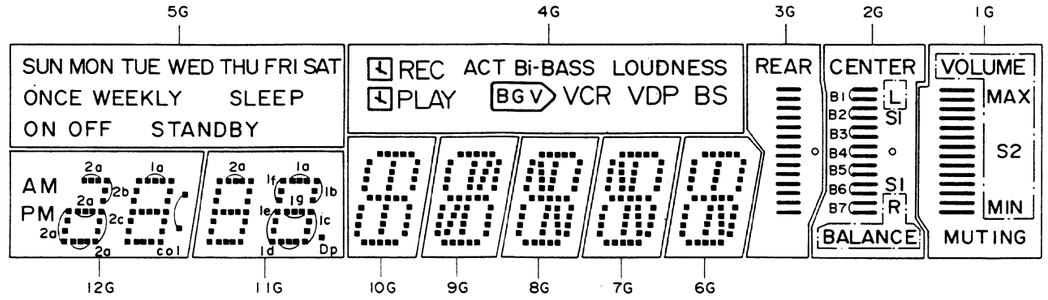


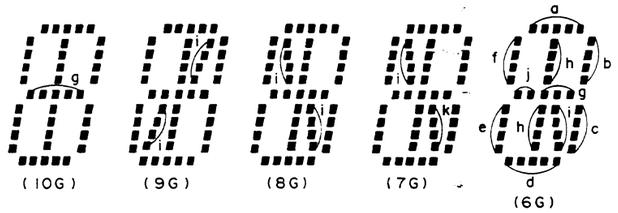
■ WIRING CONNECTION DIAGRAM



■ DESCRIPTION OF FL PANEL [FL601 (RSL0112-F)]

●Grid assignment





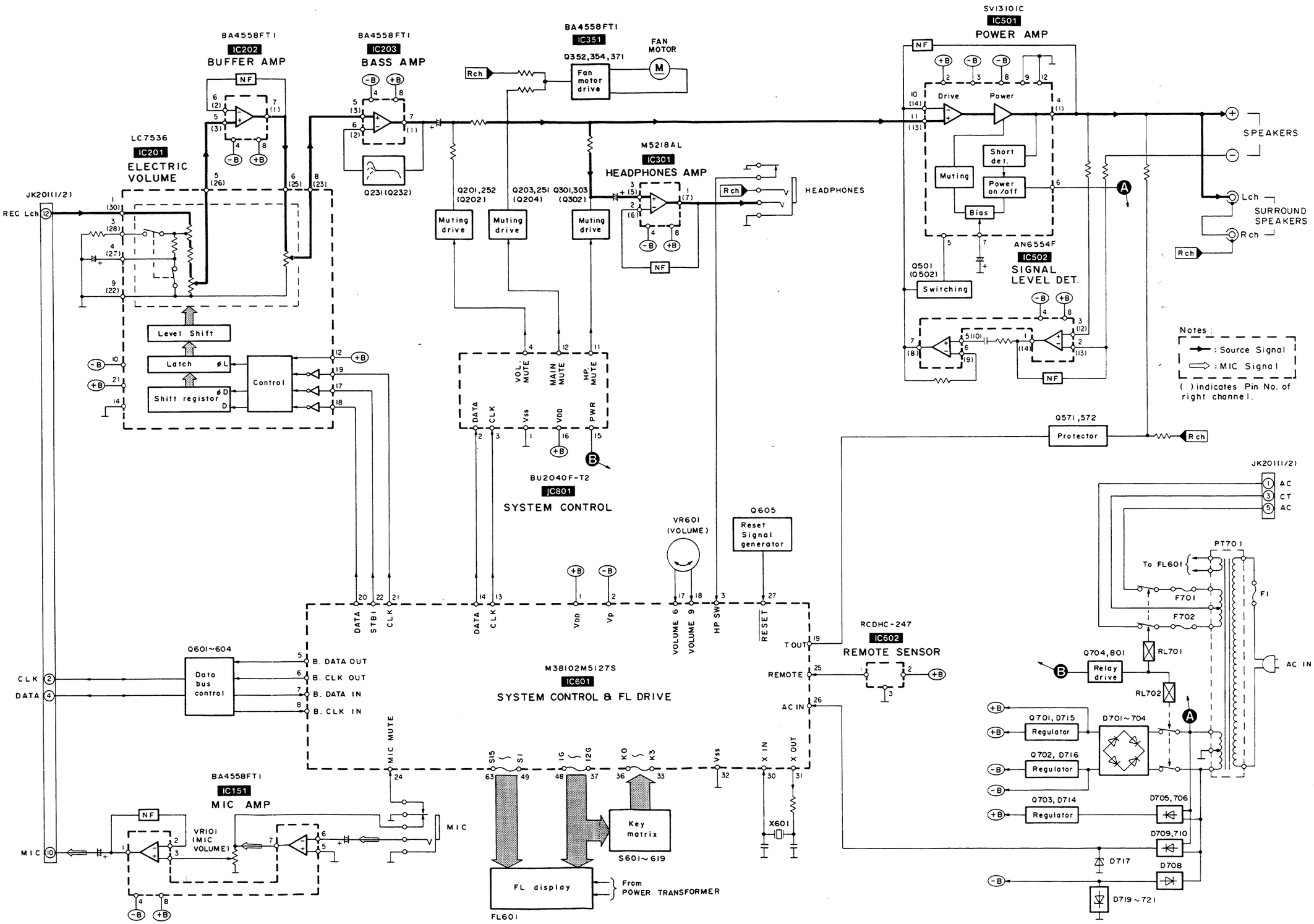
●Pin connection

Pin No.	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
Connection	F1	F1	NP	P15	P14	P13	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	NP	NP	12G	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G	NP	F2	F2

●Anode connection

	12G	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	AM	2d	d	d	d	d	d	SLEEP	REC	B7	B7	B7
P2	PM	2e	e	e	e	e	e	ON	PLAY	B6	B6	B6
P3	2c	2c	c	c	c	c	c	WEEKLY	ACT Bi-BASS	B5	B5	B5
P4	—	2g	g	g	g	g	g	OFF	—	B4	B4	B4
P5	—	2f	f	f	f	f	f	ONCE	LOUDNESS	B3	B3	B3
P6	2b	2b	b	b	b	b	b	STANDBY	—	B2	B2	B2
P7	2a	2a	a	a	a	a	a	—	BGV	B1	B1	B1
P8	Col	Dp	h	h	h	h	h	SAT	VCR	REAR	CENTER	S2
P9	1d	1d	—	i	i	i	i	FRI	VDP	—	S1	MUTING
P10	1e	1e	—	j	j	j	j	THU	BS	—	○	—
P11	1c	1c	—	—	—	k	—	WED	—	—	—	—
P12	1g	1g	—	—	—	—	—	TUE	—	—	—	—
P13	1f	1f	—	—	—	—	—	MON	—	—	—	—
P14	1b	1b	—	—	—	—	—	SUN	—	—	—	—
P15	1a	1a	—	—	—	—	—	—	—	—	—	—

■ BLOCK DIAGRAM



■ FUNCTION OF IC TERMINALS

•IC601 (M38102M5127S)

Pin No.	Terminal Name	I/O	Function
1	V_{DD}	I	Power supply (+5)
2	−VP	I	Pull down voltage input
3	HPSW	I	Headphone output control signal input
4	AN IN	I	Back-up power input
5	B. DATA OUT	O	Data base signal output
6	B. CLK OUT		
7	B. DATA IN	I	Data base signal input
8	B. CLK IN		
9	REAR VR b	I	Level encoder volume control signal input (Connect to V_{DD}, Not used)
10	REAR VR a		
11	S. BASS	O	Not used
12	PLSTART	I/O	Phone mode select signal input/output
13	CLK	O	Clock signal output for IC801 (BU2040F-T2)
14	DATA	O	Data signal output for IC801 (BU2040F-T2)
15	CENTER VR b	I	Level encoder volume control signal input (Connect to V_{DD}, Not used)
16	CENTER VR a		
17	MAIN VR b	I	Level encoder volume control signal input
18	MAIN VR a		
19	T OUT	I/O	Clock signal monitor input/output (131.072 kHz)
20	VOL DATA	O	PMW control signal output for electronic volume (IC201 LC7536)
21	VOL CLK	O	PMW clock signal output for electronic volume (IC201 LC7536)
22	VOL STB1	O	PMW strobe signal output for electronic volume (IC201 LC7536)
23	VOL STB2		
24	MIC MUTE	I	Mic muting signal input
25	REMOTE	I	Remote control receiving signal input

Pin No.	Terminal Name	I/O	Function
26	AC IN	I	50/60 Hz×2 AC voltage signal input
27	RESET	I	Reset signal input
28	XC IN	I	Not used (open)
29	XC OUT	O	
30	X IN	I	Ceramic Oscillator connection (4.194304 MHz)
31	X OUT	O	
32	V_{SS}	I	GND
33~36	K3~K0	I	Key control signal input
37~41	12G~8G	O	FL digit signal output
42~46	7G~3G	O	Key control signal and FL digit signal output
47, 48	2G, 1G	O	FL digit signal output
49~63	S1~S15	O	FL segment signal output
64	NC	—	Not used (open)

■ REPLACEMENT PARTS LIST

Notes : * Important safety notice:
Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components use only manufacturer's specified parts.
* The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.)
Parts without these indications can be used for all areas.
* Remote Control Ass'y:
Supply period for three years from termination of production.

Ref. No.	Part No.	Part Name & Description	Remarks
		INTEGRATED CIRCUIT(S)	
IC151	SVIBA4558F	I. C. MIC AMP	
IC201	LC7536	I. C. ELECTRIC VOLUME	
IC202	SVIBA4558F	I. C. BUFFER AMP	
IC203	SVIBA4558F	I. C. SUPER BASS AMP	
IC301	M5218L	I. C. HEADPHONE AMP	
IC351	SVIBA4558F	I. C. MOTOR CONT.	
IC501	SVI3101C	I. C. POWER AMP	⚠
IC502	AN6554F	I. C. SIGNAL LEVEL DET.	
IC601	M38102M5127S	I. C. SYSTEM CONT. /FL DRIVE	
IC602	RCDHC-278	I. C. REMOTE SENSOR	
IC801	BU2040F-T2	I. C. SYSTEM CONTROL	
		TRANSISTOR(S)	
Q201-204	2SD2144S	TRANSISTOR	
Q231, 232	2SC3312RSTA	TRANSISTOR	
Q251, 252	DTA114ESTP	TRANSISTOR	
Q301, 302	2SD2144S	TRANSISTOR	
Q303	DTA114ESTP	TRANSISTOR	
Q352	KSD471ACYGTA	TRANSISTOR	
Q354	2SC3311A-Q	TRANSISTOR	
Q371	2SC3311A-Q	TRANSISTOR	
Q501, 502	MSA1048ABCTA	TRANSISTOR	
Q571, 572	MSC2458ABCTA	TRANSISTOR	
Q601	2SC3311A-Q	TRANSISTOR	
Q602	DTC144ESTP	TRANSISTOR	
Q603	2SC3311A-Q	TRANSISTOR	
Q604	DTC144ESTP	TRANSISTOR	
Q605	DTC114ESTP	TRANSISTOR	
Q701	2SD1762EF	TRANSISTOR	
Q702	2SB1185EF	TRANSISTOR	
Q703	KSD471ACYGTA	TRANSISTOR	
Q704	MSC2458ABCTA	TRANSISTOR	
Q801	DTA114ESTP	TRANSISTOR	
		DIODE(S)	
D291	MA165	DIODE	
D351	MA165	DIODE	
D352	MA4068M	DIODE	
D371	MA165	DIODE	
D603	1SS291TA	DIODE	
D604, 605	MA165	DIODE	

Ref. No.	Part No.	Part Name & Description	Remarks
D606	MA4047MTA	DIODE	
D607-612	MA165	DIODE	
D616, 617	MA165	DIODE	
D619	MA165	DIODE	
D621	1SS291TA	DIODE	
D701-704	RVDP300DLF	DIODE	
D705, 706	1SR35200TB	DIODE	⚠
D707	1SR35200TB	DIODE	
D708	1SR35200TB	DIODE	⚠
D709, 710	MA185TA	DIODE	
D711-713	1SS254TA	DIODE	
D714	MA4062MTA	DIODE	
D715, 716	MA4150M	DIODE	
D717	MA4051MTA	DIODE	
D719-721	MA4100MTA	DIODE	
		VARIABLE RESISTOR(S)	
VR101	EVJ02BF03B14	V. R. MIC CONTROL	
VR601	EVQWQAF2524B	V. R. MAIN CONTROL	
		TRANSFORMER	
PT701	RTP1N5B010	POWER TRANSFORMER	⚠(E, EB, EG, GN)
PT701	RTP1N5G003	POWER TRANSFORMER	⚠(GC)
		COIL(S)	
L501, 502	SLQY07G-40	COIL	
L601	ELEXT100KA9	COIL	
L701	RLQZ600M-W	COIL	⚠
		OSCILLATOR(S)	
X601	RSXA4M19S02T	OSCILLATOR	
		DISPLAY TUBE	
FL601	RSL0112-F	DISPLAY TUBE	
		FUSE(S)	
F1	XBA2C10TB0	FUSE	⚠(E, EB, EG, GN)
F1	XBA2C20TB0	FUSE	⚠(GC)
F2	XBA2C10TB0	FUSE	⚠(GC)
F701, 702	XBA2C16TB0	FUSE	⚠

Notes : * Capacity values are in microfarads (uF) unless specified otherwise, P=Pico-farads(pF) F=Farads(F)
* Resistance values are in ohms, unless specified otherwise, 1K=1,000(OHM) , 1M=1,000k(OHM)

Ref. No.	Part No.	Values & Remarks
		RESISTORS
R151	ERDS2TJ473	1/4W 47K
R152	ERDS2TJ332	1/4W 3.3K
R153	ERDS2TJ104	1/4W 100K
R154	ERDS2TJ102	1/4W 1K
R155	ERDS2TJ474	1/4W 470K
R156	ERDS2TJ123	1/4W 12K
R198	ERDS2TJ473	1/4W 47K
R199	ERDS2TJ102	1/4W 1K
R201, 202	ERDS2TJ222	1/4W 2.2K
R203, 204	ERDS2TJ104	1/4W 100K
R205, 206	ERDS2TJ474	1/4W 470K
R207, 208	ERDS2TJ563	1/4W 56K
R209, 210	ERDS2TJ153	1/4W 15K
R211, 212	ERDS2TJ222	1/4W 2.2K
R213, 214	ERDS2TJ224T	1/4W 220K
R215, 216	ERDS2TJ123	1/4W 12K
R217, 218	ERDS2TJ102	1/4W 1K
R219, 220	ERDS2TJ331	1/4W 330
R221, 222	ERDS2TJ105T	1/4W 1M
R223, 224	ERDS2TJ222	1/4W 2.2K
R233, 234	ERDS2TJ1R0	1/4W 1
R235, 236	ERDS2TJ122	1/4W 1.2K
R237, 238	ERDS2TJ473	1/4W 47K
R239, 240	ERDS2TJ123	1/4W 12K
R251-254	ERDS2TJ102	1/4W 1K
R255	ERDS2TJ334	1/4W 330K
R256	ERDS2TJ105T	1/4W 1M
R257	ERDS2TJ334	1/4W 330K
R258	ERDS2TJ105T	1/4W 1M
R259	ERDS2TJ152	1/4W 1.5K
R260	ERDS2TJ392T	1/4W 3.9K
R281	ERDS2TJ102	1/4W 1K
R282	ERDS2TJ561	1/4W 560
R291, 292	ERDS2TJ104	1/4W 100K
R293, 294	ERDS2TJ103	1/4W 10K
R301, 302	ERDS2TJ562	1/4W 5.6K
R303-306	ERDS2TJ563	1/4W 56K
R307, 308	ERDS2TJ562	1/4W 5.6K
R309-312	ERDS2EJ121	1/4W 120
R313, 314	ERDS2TJ102	1/4W 1K
R315	ERDS2TJ334	1/4W 330K
R316	ERDS2TJ105T	1/4W 1M
R351	ERDS2TJ563	1/4W 56K
R352	ERDS2TJ184T	1/4W 180K
R353	ERDS2TJ334	1/4W 330K
R354	ERDS2TJ102	1/4W 1K
R355	ERDS2TJ564	1/4W 560K
R356	ERDS2TJ332	1/4W 3.3K
R357	ERDS1FVJ390T	1/2W 39
R358	ERDS2TJ220T	1/4W 22
R371	ERDS2TJ103	1/4W 10K
R372	ERDS2TJ823T	1/4W 82K
R373	ERDS2TJ222	1/4W 2.2K
R374	ERDS2TJ393	1/4W 39K
R375	ERDS2TJ153	1/4W 15K
R398	ERDS2TJ332	1/4W 3.3K
R399	ERDS2TJ154	1/4W 150K
R501, 502	ERDS2TJ222	1/4W 2.2K
R503-506	ERDS2TJ563	1/4W 56K
R507, 508	ERDS2TJ562	1/4W 5.6K
R509, 510	ERDS2TJ182	1/4W 1.8K
R511	ERDS2TJ334	1/4W 330K
R512	ERDS2TJ154	1/4W 150K ⚠
R513	ERDS2TJ684	1/4W 680K ⚠
R514	ERD25FJ470	1/4W 47 ⚠
R515, 516	ERDS1FVJ100T	1/2W 10 ⚠
R517, 518	ERD25FVJ100T	1/4W 10 ⚠
R519, 520	ERDS2TJ563	1/4W 56K
R521, 522	ERDS2TJ101	1/4W 100
R523, 524	ERF2EXKR10V	2W 0.1
R525, 526	ERDS2TJ563	1/4W 56K
R527, 528	ERDS2TJ104	1/4W 100K
R529, 530	ERDS2TJ102	1/4W 1K
R531-534	ERDS2TJ224T	1/4W 220K
R535, 536	ERDS2TJ752T	1/4W 7.5K
R537, 538	ERDS2TJ393	1/4W 39K
R539, 540	ERDS2TJ103	1/4W 10K
R543	ERDS2TJ103	1/4W 10K
R571	ERDS2TJ823T	1/4W 82K
R572	ERDS2TJ124T	1/4W 120K
R573	ERDS2TJ563	1/4W 56K
R581, 582	ERDS2TJ224T	1/4W 220K
R583, 584	ERDS2TJ223	1/4W 22K
R585, 586	ERDS2TJ103	1/4W 10K
R601	ERDS2TJ223	1/4W 22K
R602-604	ERDS2TJ393	1/4W 39K
R605	ERDS2TJ223	1/4W 22K
R606-608	ERDS2TJ393	1/4W 39K
R609-612	ERDS2TJ100	1/4W 10
R613, 614	ERDS2TJ151	1/4W 150
R615	ERDS2TJ2R2T	1/4W 2.2
R616-619	ERDS2TJ104	1/4W 100K
R620	ERDS2TJ221	1/4W 220
R621	ERDS2TJ104	1/4W 100K
R622, 623	ERDS2TJ223	1/4W 22K
R624	ERDS2TJ393	1/4W 39K
R625	ERDS2TJ564	1/4W 560K
R626-629	ERDS2TJ223	1/4W 22K
R630	ERDS2TJ103	1/4W 10K
R631	ERDS2TJ332	1/4W 3.3K
R632	ERDS2TJ822	1/4W 8.2K
R633, 634	ERDS2TJ223	1/4W 22K
R635	ERDS2TJ224T	1/4W 220K
R636	ERDS2TJ104	1/4W 100K
R637	ERDS2TJ102	1/4W 1K
R639	ERDS2TJ101	1/4W 100
R660-665	ERDS2TJ102	1/4W 1K
R697	ERDS2TJ102	1/4W 1K
R698	ERDS2TJ332	1/4W 3.3K
R699	ERDS2TJ102	1/4W 1K
R701, 702	ERD2FCVJ4R7T	1/4W 4.7 ⚠
R703, 704	ERDS2TJ103	1/4W 10K
R705, 706	ERDS1FVJ391T	1/2W 390 ⚠
R707	ERDS2TJ680T	1/4W 68
R708	ERDS2TJ562	1/4W 5.6K
R709, 710	ERDS1FVJ391T	1/2W 390 ⚠
R711, 712	ERDS1FVJ331T	1/2W 330
R713	ERD2FCVJ4R7T	1/4W 4.7 ⚠
R714	ERDS1FVJ221T	1/2W 220 ⚠
R715	ERDS2TJ153	1/4W 15K
R716	ERDS2TJ472	1/4W 4.7K
R717	ERDS2TJ103	1/4W 10K
R718	ERDS2TJ221	1/4W 220
R723	ERD25FVJ4R7T	1/4W 4.7 ⚠
R799	ERDS2TJ103	1/4W 10K
R801	ERDS2TJ392T	1/4W 3.9K
R803, 804	ERDS2TJ103	1/4W 10K
R805	ERDS2TJ562	1/4W 5.6K
R807	ERDS2TJ103	1/4W 10K
R808	ERDS2TJ392T	1/4W 3.9K
R809, 810	ERDS2TJ272T	1/4W 2.7K
R811	ERDS2TJ100	1/4W 10
R812	ERDS2TJ332	1/4W 3.3K
R813	ERDS2TJ103	1/4W 10K
R904	ERDS2TJ102	1/4W 1K
		CAPACITORS
C101, 102	ECBT1E223ZF	25V 0.022U
C103-106	ECBT1H102KB5	50V 1000P
C151	ECEA1CKA100B	16V 10U
C152	ECBT1H181KB5	50V 180P
C153	ECEA1HKA3R3B	50V 3.3U
C154	ECEA1CKA100B	16V 10U

Ref. No.	Part No.	Part Name & Description	Remarks
		SWITCH(ES)	
S601	EVQ21405R	S. W, CLOCK SET	
S602	EVQ21405R	S. W, SELECT DOWN	
S603	EVQ21405R	S. W, SELECT UP	
S604	EVQ21405R	S. W, TIMER SET	
S605	EVQ21405R	S. W, CANCEL	
S606	EVQ21405R	S. W, STANDBY	
S607	EVQ21405R	S. W, RECALL	
S608	EVQ21405R	S. W, BALANCE (L)	
S609	EVQ21405R	S. W, BALANCE (R)	
S610	EVQ21405R	S. W, BS	
S611	EVQ21405R	S. W, TUNER	
S612	EVQ21405R	S. W, CD	
S613	EVQ21405R	S. W, DAT	
S614	EVQ21405R	S. W, TAPE	
S615	EVQ21405R	S. W, VDP	
S616	EVQ21405R	S. W, VCR	
S618	EVQ21405R	S. W, LOUDNESS	
S619	EVQ21405R	S. W, POWER	
S701	ESE37263	SW, VOLTAGE SELECTOR	⚠(GC)
		CONNECTOR	
J703-1, 2	RJS1A6604	SOCKET(4P)	
J101A	RJT057W004-1	CONNECTOR(4P)	
J301A	RJT057W004-1	CONNECTOR(4P)	
J501A	RJT057W007-1	CONNECTOR(7P)	
J601A	RJU003K008M1	SOCKET(8P)	
J602A	RJU003K008M1	SOCKET(8P)	
J603A	RJU003K010M1	SOCKET(10P)	
J604A	SJT30549BB1	CONNECTOR(5P)	
J605A	SJT30549BB1	CONNECTOR(5P)	
J606A	SJT30549BB1	CONNECTOR(5P)	
J701A	RJT057W009-1	CONNECTOR(9P)	
J702A	RJT057W007-1	CONNECTOR(7P)	
J704A	RJT057W004-1	CONNECTOR(4P)	
J101B	RJU057W004	SOCKET(4P)	
J301B	RJU057W004	SOCKET(4P)	
J501B	RJU057W007	SOCKET(7P)	
J601B	RJT003K008M1	CONNECTOR(8P)	
J602B	RJT003K008M1	CONNECTOR(8P)	
J603B	RJT003K010M1	CONNECTOR(10P)	
J604B	SJS50581BB	SOCKET(5P)	
J605B	SJS50581BB	SOCKET(5P)	
J606B	SJS50581BB	SOCKET(5P)	
J701B	RJU057W009	SOCKET(9P)	
J702B	RJU057W007	SOCKET(7P)	
J704B	RJU057W004	SOCKET(4P)	
CN701-708	RJS1A1101T1	SOCKET(1P)	

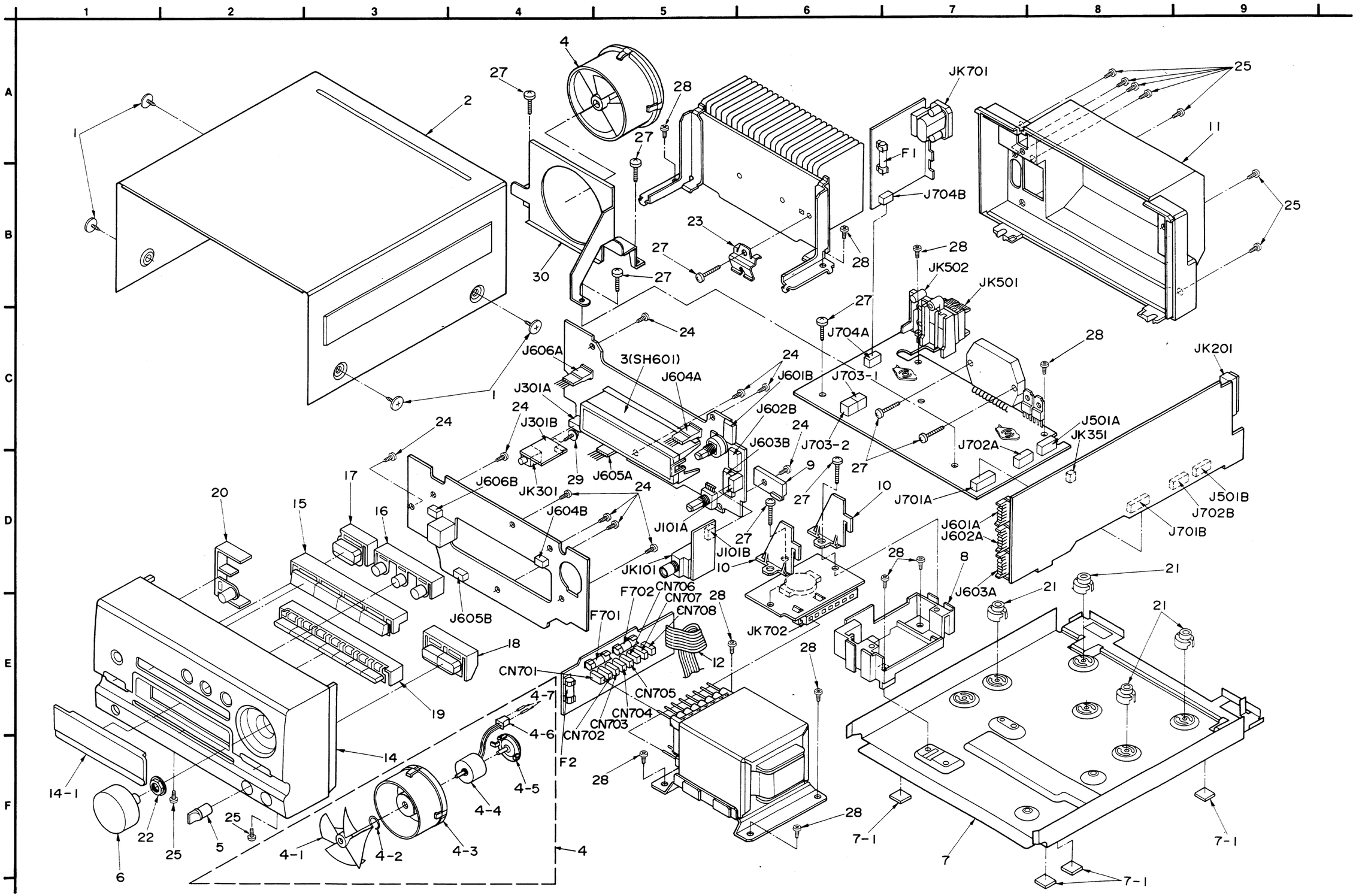
Ref. No.	Part No.	Part Name & Description	Remarks
		EARTH TERMINAL(S)	
E501	SNE1004-1	GND PLATE	
E701	SNE1004-1	GND PLATE	
		FUSE HOLDER(S)	
FC1-6	EYF52BC	FUSE HOLDER	⚠
FC7, 8	EYF52BC	FUSE HOLDER	⚠(GC)
		RELAY(S)	
RL701, 702	SSY134	RELAY	⚠
		JACK(S)	
JK101	RJJ65MA02	MIC JACK	
JK201	RJT055K015-1	CONNECTOR(15P)	
JK301	RJJD7S2YA-C	HEADPHONE JACK	
JK351	SJT3213	FAN MOTOR CONNECTOR	
JK501	RJR0054	SPEAKER TERMINAL	
JK502	SJF3068-6N	SURROUND SP. TERMINAL	⚠(E, EB, EG, GC)
JK701	SJS9236	AC INLET	⚠(E, EB, EG, GC)
JK701	SJSD16	AC INLET	⚠(GN)
JK702	SJS702-1	CONNECTOR(3P)	(E, EB, EG, GN)

Ref. No.	Part No.	Values & Remarks
C155	ECBT1H221KB5	50V 220P
C156	ECEA1HKA3R3B	50V 3.3U
C157	ECBT1H221KB5	50V 220P
C159	ECBT1H102KB5	50V 1000P
C181, 182	ECBT1E103ZF	25V 0.01U
C198, 199	ECBT1H221KB5	50V 220P
C201, 202	ECBT1H101KB5	50V 100P
C203, 204	ECEA1HKAR33B	50V 0.33U
C205, 206	ECEA1HKA3R3B	50V 3.3U
C207, 208	ECBT1H820KB5	50V 82P
C209, 210	ECEA1HKAR33B	50V 0.33U
C211, 212	ECBT1H101KB5	50V 100P
C213, 214	ECEA1HKA3R3B	50V 3.3U
C215-218	ECBT1H101KB5	50V 100P
C219, 220	ECEA1CKA100B	16V 10U
C223, 224	ECEA1HKAR15B	50V 0.15U
C231-234	ECQV1H334JZ3	50V 0.33U
C251	ECEA1CKA330B	16V 33U
C252	ECEA1CKA100B	16V 10U
C281-287	ECBT1E103ZF	25V 0.01U
C301, 302	ECEA1HKA3R3B	50V 3.3U
C303, 304	ECBT1H101KB5	50V 100P
C305, 306	ECBT1H330J5	50V 33P
C307, 308	ECEA1HKA3R3B	50V 3.3U
C309	ECEA1HKA010B	50V 1U
C351	ECEA1CKA100B	16V 10U
C353	ECEA1HKA3R3B	50V 3.3U
C371	ECEA0JKA221B	6.3V 220U
C381, 382	ECBT1E103ZF	25V 0.01U
C501, 502	ECA1HAP3R3B	50V 3.3U
C503, 504	ECBT1H331KB5	50V 330P
C505, 506	ECBT1H100J5	50V 10P
C507, 508	ECBT1H561KB5	50V 560P
C509, 510	ECA1HAP3R3B	50V 3.3U
C511, 512	ECBT1H821KB5	50V 820P
C513	ECA1HAP330B	50V 33U
C514	ECA2AAP100B	100V 10U
C515, 516	ECBT1E223ZF	25V 0.022U
C521-526	ECBT0J223MS5	6.3V 0.022U
C527, 528	ECEA1HKA3R3B	50V 3.3U
C529, 530	ECBT1C103MS5	16V 0.01U
C531, 532	ECBT1E103ZF	25V 0.01U
C571	ECEA1CKA101B	16V 100U
C599	ECBT1C103MS5	16V 0.01U
C601	ECEA0JU102	6.3V 1000U
C602	ECBT1E103ZF	25V 0.01U
C603	ECEA1CKA100B	16V 10U
C604	ECEA1HKA3R3B	50V 3.3U
C605	ECEA1VKA100B	35V 10U
C606	ECEA1EKA4R7B	25V 4.7U
C607, 608	ECBT1H200JC5	50V 20P
C609, 610	ECBT1E103ZF	25V 0.01U

Ref. No.	Part No.	Values & Remarks
C611	ECBT1H102KB5	50V 1000P
C697	ECBT1E103ZF	25V 0.01U
C699	ECBT1E103ZF	25V 0.01U
C701, 702	ECEA1HU332UB	50V 3300U
C703, 704	ECEA1CKA330B	16V 33U
C705	ECBT1E223ZF	25V 0.022U
C706	ECKR1H103ZF5	50V 0.01U
C707	ECA1HM221B	50V 220U
C708	ECEA1CKA100B	16V 10U
C709	ECBT1E103ZF	25V 0.01U
C710	ECA1HAP330B	50V 33U
C711	ECQE1104KF3	100V 0.1U ⚠
C712	ECBT1E223ZF	25V 0.022U
C725	ECBT1E223ZF	25V 0.022U
C801, 802	ECBT1H470J5	50V 47P
C803	ECBT1E103ZF	25V 0.01U
C904	ECBT1H102KB5	50V 1000P
C905, 906	ECBT1H101KB5	50V 100P
C907, 908	ECBT1E223ZF	25V 0.022U
C909	ECBT1H331KB5	50V 330P
C911	ECKR1H102ZF5	50V 1000P

SU-CH700

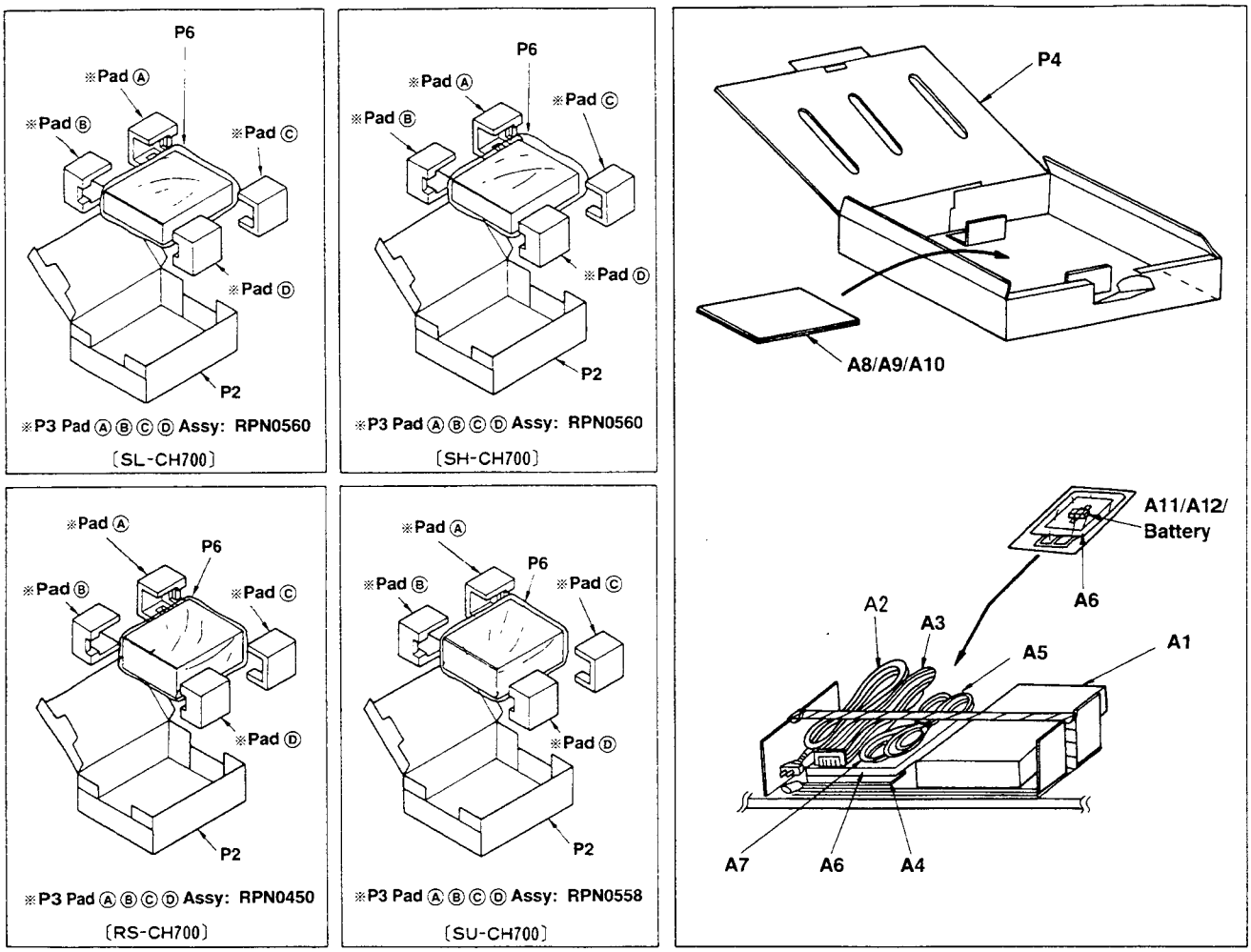
■ CABINET PARTS LOCATION

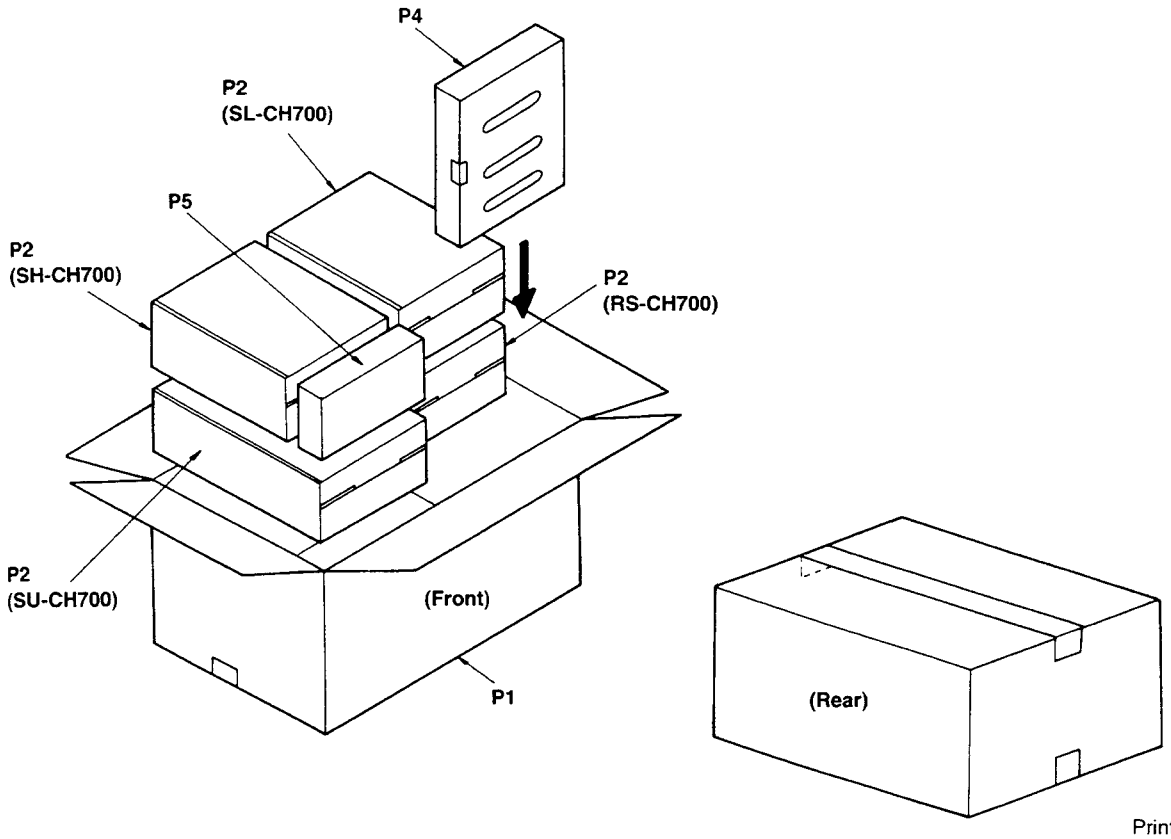


Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET PARTS	
1	RHD30007	SCREW	
2	RKM0105C-K	CABINET	
3	RMN0153	HOLDER	
4	SYE1128-2	FAN ASS'Y	
4-1	SHE232	FAN	
4-2	SUS271	SPRING	
4-3	SHE233	CASE	
4-4	MDN-4RB4MRC	MOTOR	
4-5	SHE234	CASE COVER	
4-6	SJS5215	SOCKET(2P)	
4-7	SJT783	TERMINAL	
5	RGW0105-K	KNOB, MIC	
6	RGW0136-K	KNOB, MAIN VOLUME	
7	RFKJUCH900GC	BOTTOM BOARD ASS'Y	(GC)
7	RFKJUCH700NK	BOTTOM BOARD ASS'Y	(E, EB, EG, GN)
7-1	RKA0043	FOOT	
8	RMN0154	HOLDER	
9	RMN0155	HOLDER	
10	RMN0158	HOLDER	
11	RFKHUCH700GC	BACK GRILL ASS'Y	(GC)
11	RFKHUCH700EK	BACK GRILL ASS'Y	(E, EG)
11	RFKHUCH700EB	BACK GRILL ASS'Y	(EB, GN)
12	RWJ1808110QQ	FLAT CABLE(8P), J703	
14	RFKGUCH700EK	FRONT PANEL ASS'Y	
14-1	RKW0186-G	FL PANEL	
15	RGU0680A-K	BUTTON, SELECTOR	
16	RGU0681A-K	BUTTON, DIGITAL	
17	RGU0682-K	BUTTON, POWER	
18	RGU0683-K	BUTTON, BALANCE	
19	RGU0685-K	BUTTON, TIMER	
20	RGU0686-K	BUTTON, LOUDNESS	
21	SHE185-2	P.C.B SPACER	
22	SNE4021-1	NUT	
23	SUS894-1	SPRING	
24	XTBS26+8J	SCREW	
25	XTBS3+8JFZ1	SCREW	
27	XTB3+16JFZ	SCREW	
28	XTB3+8JFZ	SCREW	
29	XTWS3+8T	SCREW	
30	RMN0169	ANGLE	
		PACKING MATERIALS	
P1	RPG1119	PACKING CASE(SYSTEM)	(E)
P1	RPG1146	PACKING CASE(SYSTEM)	(GN)
P1	RPG1123	PACKING CASE(SYSTEM)	(EB)
P1	RPG1124	PACKING CASE(SYSTEM)	(EG)
P1	RPG1147	PACKING CASE(SYSTEM)	(GC)
P2	RPG1069	PACKING(AMPLIFIER)	

Ref. No.	Part No.	Part Name & Description	Remarks
P2	RPG1070	PACKING CASE(DECK)	
P2	RPG1071	PACKING CASE(CD/PROCESSOR)	
P3	RPN0558	PAD(AMPLIFIER)	
P3	RPN0450	PAD(DECK)	
P3	RPN0560	PAD(CD/PROCESSOR)	
P4	RPQF0029	ACCESSORY BOX	
P5	RPQ0194	SPACER	
P6	XZB45X50A01Z	PROTECTION COVER	
		ACCESSORIES	
A1	RAK-SC514W	REMOTE CONTROLLER	
A1-1	RKK0020-K	BATTERY COVER	
A2	RJA0019-1K	POWER CORD, AC	⚠(E, EG)
A2	SJA173	POWER CORD AC	⚠(GN)
A2	SJA193	POWER CORD, AC	⚠(EB)
A2	RJA0004	POWER CORD, AC	⚠(GC)
A3	REX0402	FLAT CABLE	
A4	SJP2281	OPTICAL CABLE	
A5	SWXS257M	SPEAKE CORD	
A6	SPB1163T	AM LOOP ANTENNA	
A6-1	SMA233-1M	ANTENNA HOLDER	
A6-2	XTN3+10AFZ	SCREW	
A7	RSA0007	FM ANTENNA	(E, EB, EG)
A7	RSA0006	FM ANTENNA	(GC, GN)
A8	RQA0013	WARRANTY CARD	(E, EB, EG)
A8	RQX7433ZA	WARRANTY CARD	(GN)
A9	RQCB0169	SERVICENTOR LIST	
A10	RFKSUCH700EK	INST. MANUAL	(E)
A10	RQT1359-B	INST. MANUAL	(EB, GN)
A10	RQT1360-D	INST. MANUAL	(EG)
A10	RQT1357-G	INST. MANUAL	(GC)
A11	SJP9009	ATTACHMENT PLUG	(EB)
A12	SJP9215	AC PLUG ADAPTOR	⚠(GC)

■ PACKAGING





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